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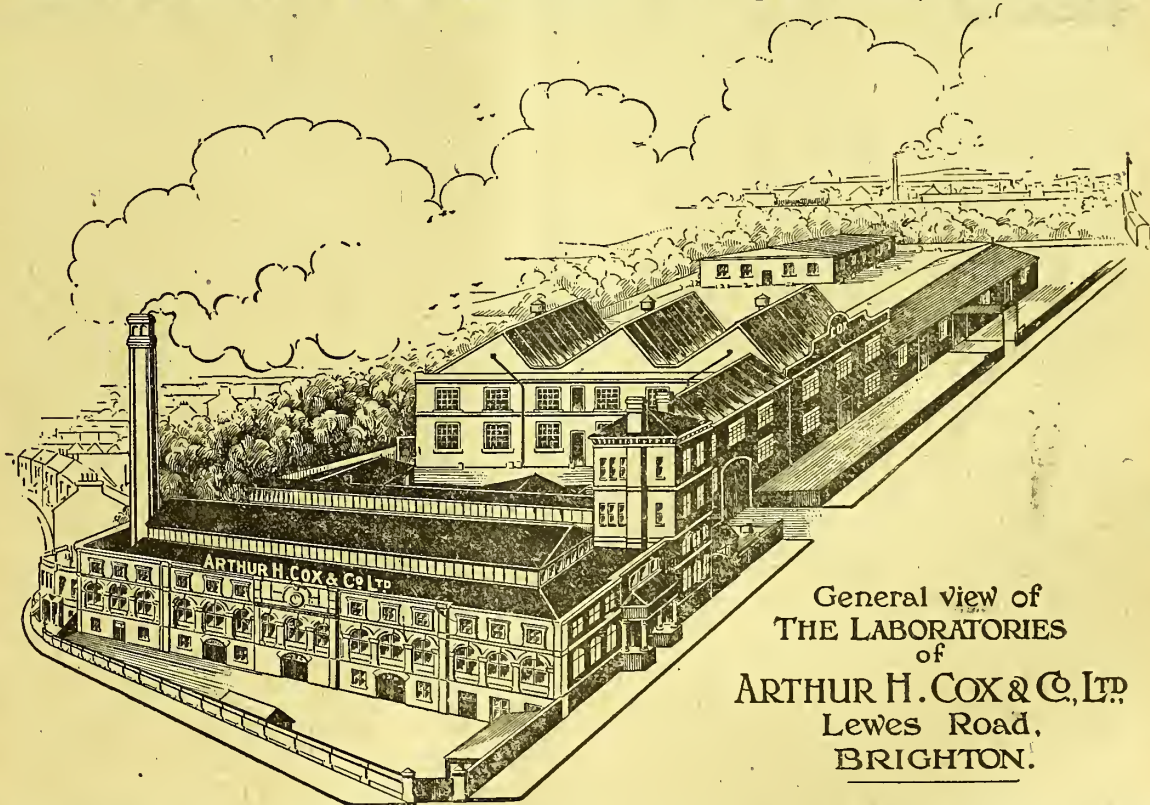
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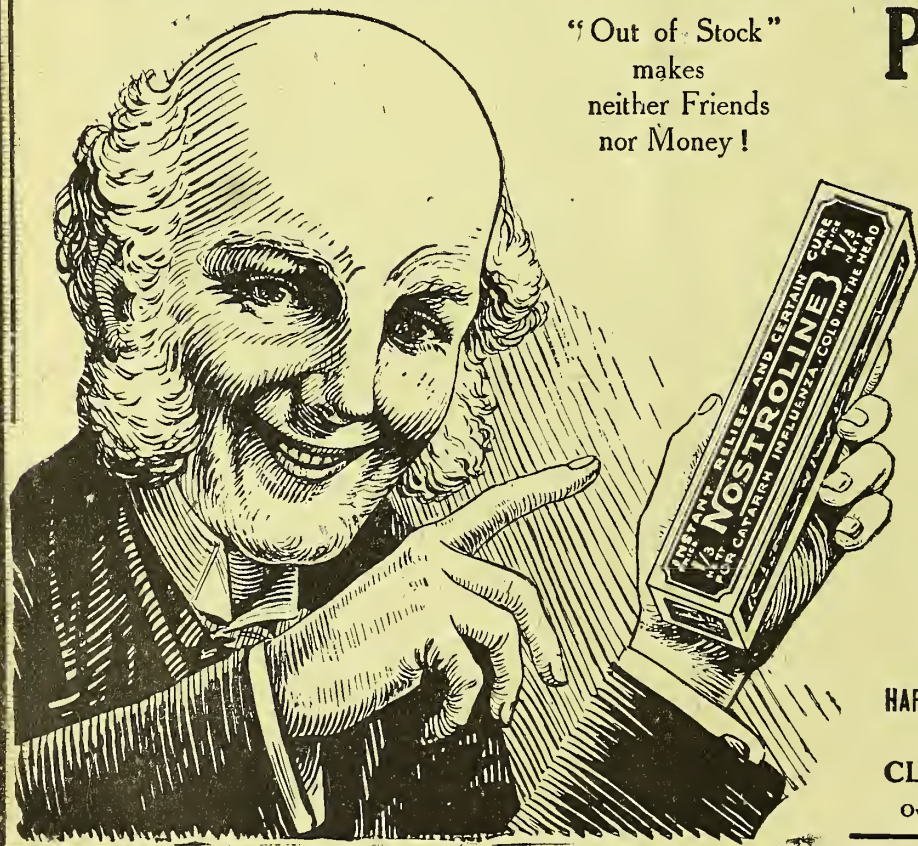
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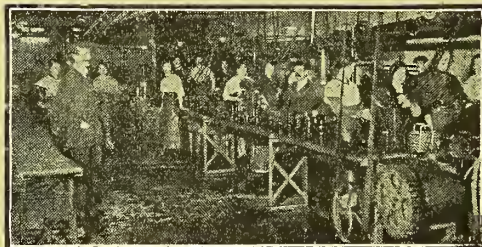
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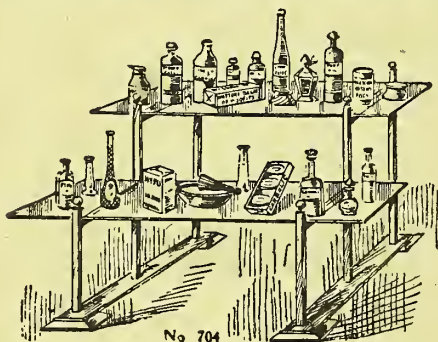
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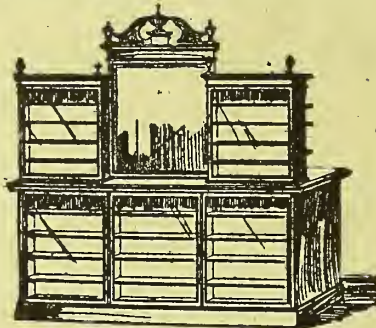
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Barbitone
Benzoic Acid
Benzoate of Soda
Benzamine Hydrochlor
Beta Naphthol
Bromide of Ammonium
Bromide of Potassium
Bromide of Sodium
Chloral Hydrate
Cinchonine and Salts
Cinchonidine and Salts
Citric Acid
Cocain Hydrochlor and
Puriss
Cream of Tartar

Creosote Carbonate
Formaldehyde
Gallic Acid
Guaiacol Carbonate
Heliotropin
Hexamine
Homatropine
Hydroquinone
Isarol (best Ichthyol
substitute)
Lithia Carbonate
Lithol (Ichthyol substitute)
Mercurials
Methylene Blue Medicinal
Methyl Salicylate
Peppermint Oil
Phenacetin
Phenazone

Pyrogallic Acid
Potassium Sulpho-
Guaiacolate
Quinidine and Salts
Quinine and Salts
Quinine Ethyl Carbonate
Salicylic Acid
Salicylate of Soda
Salol
Sugar of Milk
Tannic Acid
Tannin Albuminate
Terpineol
Terpine Hydrate
Theobromine
Thymol Crystals
Vanillin

R. W. Greeff & Co. THAMES HOUSE, QUEEN ST.
PLACE, LONDON, E.C.

MANCHESTER BRANCH:
Lloyds Bank Buildings,
King Street.

NEW YORK AGENTS:
R. W. Greeff & Co.,
80, Maiden Lane.

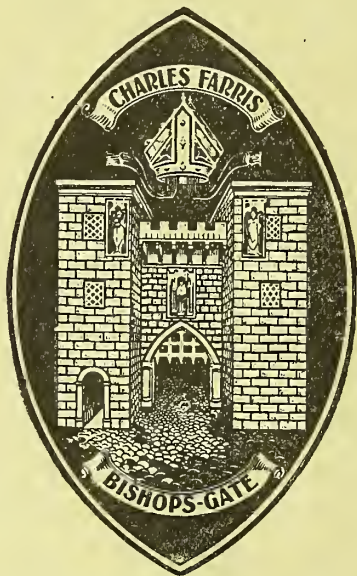


"FARRIS'S"

The Real Old-fashioned Genuine Air-Bleached B.P.

BEEES

WAX



The **ONLY** Actual **MANUFACTURING WAX CHANDLER** in the City of London.

ARE
YOU

PREPARED FOR

WINTER

WITH

Labels and General Advertising Matter

If not, write us at once
—we can let you have

ALL YOU REQUIRE

Samples to Colonies 10/6 for full set,
which amount we credit for £5 order.

THOMAS WAIDE & SONS,

Chemists' Printers,

KIRKSTALL RD., LEEDS.

W. DAVIS

100 WOOD ST., E.C. 2

'Phone: CITY 8220

For OPEN
WINDOW
DISPLAYS.



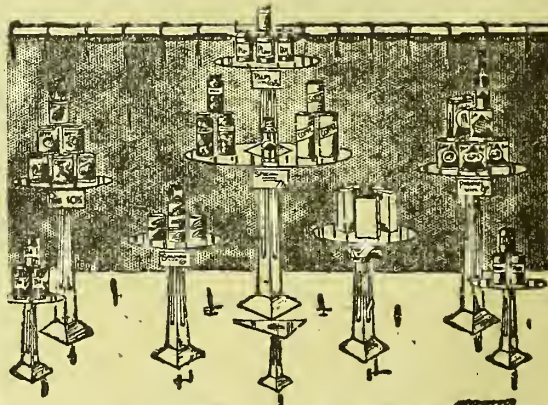
W. DAVIS

100 WOOD ST., E.C. 2

'Phone: CITY 8220

For OPEN
WINDOW
DISPLAYS.

WRITE FOR OUR LIST SHOWING MANY
NEW DESIGNS FOR OPEN WINDOW DISPLAYS.



Set 139.—Consisting of 1 27 in., 2 24 in., 3 12 in. 3 9 in.
POLISHED OAK PEDESTALS, with 1 24 in. x 18 in.,
2 18 in. x 12 in., 2 16 in. x 10 in. OVAL PLATE GLASS
SHELVES: 1 12 in. Angle and 3 10 in. Circles.

77/- Complete.

Our WINDOW PAPERS are 2/9 per roll of 12 yards,
21-in. wide—WRITE FOR SAMPLES.

TELEPHONE
CITY 7
PRIVATE
BRANCH
EXCHANGE

TELEGRAMS:
ELEVEN
CENT
LONDON



S. MAW & SONS LTD.
7/12 ALDERSGATE STREET
LONDON
ENGLAND



CABLES:
ELEVEN
LONDON

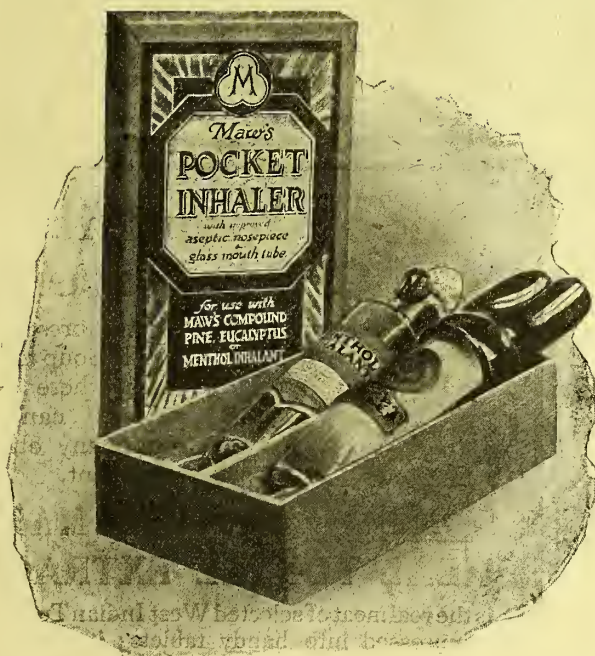
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4TH & 5TH
EDITION

Maw's Page.

NUMBER 320.

DECEMBER 1, 1917.

A POCKET ORO-NASAL INHALER COMPLETE WITH COMPOUND INHALANTS



The compelling feature of this package is its "completeness"—it is all that one requires. The double nose-piece is anatomically correct, and made of purest rubber, whilst a convenient glass mouthpiece is provided at the other end. Charging with medicament is a most simple matter, and the whole apparatus can be sterilised if desired. The general design is very tasteful, and the quality obviously good. Undoubtedly the best pocket inhaler yet produced.

MAW'S POCKET INHALER,
complete in Box, with either Eucalyptol,
Menthol or Pine Inhalant.

Per dozen **16/-**

FOR USE WITH MAW'S POCKET INHALERS

We supply three excellent Compound Inhalants for use with pocket or vest-pocket Inhalers—viz., Eucalyptol, Menthol and Pine, each one predominating in the medicament forming its title. These Inhalants are made of the finest essential oils, etc., possible to procure, and are put up in labelled cartons. Altogether they form a very useful little line, and a customer purchasing an Inhaler will rarely fail to take a bottle of Inhalant if offered.

COMPOUND EUCALYPTOL, PINE OR MENTHOL, 6/6 dozen.



HOURS OF BUSINESS: 8.30 a.m.—5.30 p.m.

CLOSE AT 1 p.m. SATURDAYS.

Dr. Allinson's Food Preparations

FOR ALL AGES AND CONDITIONS OF HEALTH AT FIRM AND PROTECTED PRICES.

Food for Babies, Prepared Barley,
N. F. Cocoa, Biscuits, Wholemeal, &c.

See Trade Mark "T. R. Allinson" on all our goods—None Genuine Without.

SPECIAL NOTICE.

We issue a list of WHOLESALE HOUSES who keep above in stock; if for any reason you have difficulty in obtaining supplies, please send postcard direct to us, and a list will be sent to you by return.

NATURAL FOOD COMPANY, Ltd.,
Cambridge Road, Bethnal Green, LONDON, E.

All advertising matter—Booklets, Window Displays,
Showcards, etc., free on application.

N.B.—Our goods are to be sold only at prices stated upon the Price List we issue to the trade, and we are pleased to exchange any article which may be out of condition.

SPRING'S PACKED TABLE HONEY

All Varieties, i.e., "White Clover," "Heather," etc.

SPRING & CO., Ltd., BRICC, LINCS.

(The largest collectors and packers of Honey in Great Britain.)

BUY NATIONAL WAR BONDS

You owe it to the splendid fellows who
have gone forth from the Drug, Chemical
and Allied Trades to

FIGHT THE HUN.

THE CHEMIST AND DRUGGIST
42 Cannon Street, London, E.C. 4.

EVERY GENUINE PACKAGE

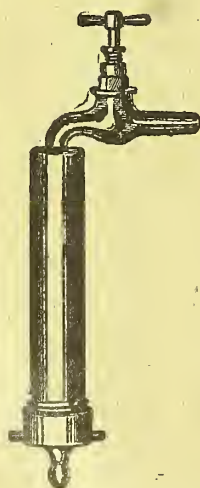


BEARS THIS LABEL

EWEN'S LARD

is the
ONLY LARD
that
is made exclusively
for pharmaceutical
and perfumery
preparations
and is the
**BEST AND
MOST RELIABLE**
Guaranteed B.P.
Lard on the Market.

PURE DRINKING WATER.



The Pasteur Chamberland Filter.

OFFICIAL GOVERNMENT
STATEMENT:

Wherever the **PASTEUR
FILTER** has been applied,
TYPHOID FEVER has
disappeared.

WRITE FOR LIST B.

SOLE MAKERS:

The British Pasteur Chamberland Filter Co.
5 WHITE STREET, FINSBURY,
LONDON, E.C. 2.

Recommend it for Convalescence



Doctors prescribe
Turtle Soup in all
cases where the
patient cannot
retain any other
nourishment.

FREEMAN'S REAL TURTLE EXTRACT

is the real meat of selected West Indian Turtles,
compressed into handy tablets; it provides
all the delicacy and nourishment of soup made
from fresh killed turtles, and is quickly pre-
pared as it requires nothing but boiling water.

For hospitals, nursing and convalescent
homes it can be strongly recommended as
the best, safest and
handiest invigorator
obtainable.

The trade terms are par-
ticularly favourable, and
particulars can be obtained
by writing to

The Watford Mfg. Co. Ltd.
Delectaland, WATFORD

Freeman's
FOOD PRODUCTS
Watford
S.A.A.



The Finest Quality
Aerated Waters are
made only with
the Finest Quality
ESSENCES

**Boake
Roberts'**

Soluble Essences are
of the finest quality
and being extremely
concentrated are
most economical

Lemon	Ginger Ale
Orange	Stone Ginger (Cloudy)
Ginger	Clear Ginger Beer
Raspberry	Kola Champagne
Strawberry	Lime Juice and Soda
Pineapple	Lemon Squash
	Vanilla

A. Boake Roberts & Co. L^{td}
Stratford, London



The
**Old Order
Changeth**

When the British last fought in Flanders they depended on gipsy fires for hot food—or went without. Now they use THERMOS Bottles, Food Jars, and Jugs, and are sure of a hot drink or meal on or off duty. Supply the Soldiers and the Sailors through their friends with the genuine

THERMOS

THERMOS LTD.,
Byron House,
2 and 4
Finsbury St.,
LONDON, E.C. 2.



THE MOST ECONOMICAL INFANTS' FOOD.

TRADE MARK

FRAME FOOD

ON P.A.T.A. LIST.

SHOWCARDS FREE.

FRAME FOOD CO., Standen Road, Southfields, London.

WINGARNIS

Sells readily ALL the time.

COLEMAN & CO., Ltd., Wincarnis Works, NORWICH.

IMPORTANT NOTE
TO CHEMISTS
WITHOUT LICENCES

It has been established by law that Registered Chemists may sell "Wincarnis with Quinine" *without* a licence.

**LIQUID
GLUCOSE**

SO₂ Free.

NO BLUEING USED.

Specially pure for
Pharmaceutical Preparations.

THE
MANBRÉ SACCHARINE
Co., Ltd.,

HAMMERSMITH, LONDON, W. 6.

**TOWNSEND'S
COCAINE &
OPIUM
REGISTERS.**

Post free, **3/3** for the two.

JAMES TOWNSEND & SONS,
Label Printers,
EXETER & LONDON.

Important Notice

AS HAS BEEN ANNOUNCED

in the Protected List of THE P.A.T.A.
the MINIMUM RETAIL SELLING PRICE of

Kutnow's Powder

IS NOW **2/9** PER BOTTLE (FACE VALUE)

This yields a considerable increase of profit to chemists, nevertheless Messrs. KUTNOW are keeping to their wholesale price, as hitherto, in spite of the enormous rises in the cost of all the materials, bottles and everything else in connection with the manufacture of KUTNOW'S POWDER. In view of the above facts, Messrs. KUTNOW trust that both the wholesale and retail trade will co-operate with them in creating a still greater demand for KUTNOW'S POWDER, and that no substitutes for KUTNOW'S POWDER will be offered to the public in future.

What The Trade Think A SENSIBLE ADJUSTMENT

The general opinion of the Retail Trade was graphically expressed (when the intended change was announced) in one word—"GOOD!" As the new arrangement is so strongly endorsed by the Trade, Messrs. Kutnow will appreciate the co-operation of the Trade by their carrying a good stock of Kutnow's Powder and making a Window Show of it. Please fill in the adjoining coupon.

SEND THIS COUPON FOR SHOWCARDS FREE OF CHARGE

To S. KUTNOW & CO., Ltd.,

41 Farringdon Road, London, E.C. 1.

Please send me Showcards, carriage paid.

NAME.....

ADDRESS.....

"Chemist & Druggist," Dec. 1, 1917.

S. KUTNOW & CO., Ltd., 41 Farringdon Road, London, E.C. 1.

*A Good Line
and all British*



AQUAPERIA

A Harrogate
Aperient Water,
supplanting German
and Austrian Waters.

It will be found a very profitable line, satisfactory both to Chemist and Customer.

Bottled by CAMWAL Ltd.
at their Spring,
HARROGATE.

Of all Wholesale Houses and

CAMWAL Ltd.

LONDON
BRISTOL

MANCHESTER
HARROGATE
& DEPOTS.

BIRMINGHAM
MITCHAM

Aquaperia

A Harrogate Aperient Water

Our New Taper-Necks



We have introduced a highly attractive line of taper-necked **English-wickered** bottles of

PRICE'S Extra Triple Eau de Cologne

(as illustrated). These bottles of excellent perfume are packed ready for dispatch, in neat wooden boxes, and represent a most popular line for the Chemist's counter. Price's Eau de Cologne is also put up in other sizes and packings.

Terms and quality-sample on application.

For Home, Hospital and Trenches.

Another attractive line now available in our new taper-necked **English-wickered** bottles is

PRICE'S Old English Lavender Water

(as illustrated). Packed ready for dispatch in neat wooden boxes. This fine, refreshing and invigorating perfume is also packed in other sizes.

Terms and quality-sample on application.

For Sick, Convalescent and Fit.



PRICE'S,
Battersea, London, S.W.11.



"LESCOL" FLORAL PERFUMES

NOTICE !

We strongly advise Chemists before purchasing their Christmas lines to send us particulars of their requirements, and complete Price List will be sent, or one of our representatives will call with full set of samples when in their vicinity.

We are holding a large stock at remunerative prices

LESCOL PERFUMERY CO.,

Lomond Grove, Camberwell Green,
LONDON, S.E. 5.

Telephone: 810 HOP.

(Proprietors: The London Essence Co.)

Telegrams: "VANILLIN, CAMBER, LONDON."

TIN BRITISH MAKE FOIL

Highly polished foils—printed, lacquered, embossed or plain. Guaranteed free from lead for tobacco, cigarettes, food-stuffs, etc. In sheets or reels—large or small quantities

Also collapsible tubes in pure tin, pure lead or lead-coated with tin for rubber solution, artists' colours, tooth pastes and other toilet preparations.

SHAVING STICK CASES.

SCREW-CAPS, ETC

Venesta Ltd
1, GREAT TOWER ST.
LONDON





List No. 825c.

THE LINE
THAT
SHOWS
A GOOD
PROFIT

WHOLESALE, **90/-** PER GROSS

USUAL TERMS.

RETAIL - - - **1/-** PER STICK

PACKED IN TINS AND CARTONS.



List No. 825c.

A Stick that Sells Itself!

EDWARD COOK & CO. Ltd.

The Soap Specialists,

THE SOAPERY, BOW, LONDON, E.3



The Evan Williams' Original Henna Shampoo

APPEALS ESPECIALLY TO WOMAN—THE GREATEST SPENDING FACTOR OF THIS COUNTRY.

Put Evan Williams' Original Henna Shampoo on your counter and watch how quickly it sells, this is because our advertisements continually bring this dainty and perfect shampoo before ladies' notice, and once a sale is secured, its perfection ensures a steady permanent demand.

Ladies repeatedly write us asking for names of local agents, and it will pay you to stock this quick-selling proposition. We are now commencing our Autumn Publicity Campaign—this includes Press, Postal and Window Advertising, and aims to attract Ladies to your establishment. Write to-day for full particulars of our special discount offer.

EVAN WILLIAMS' ORIGINAL Henna Shampoo

The Secretary, THE EVAN WILLIAMS CO. LTD., 18 & 18a Ogle Street, Foley Street, London, W.1.



Everyone Praises Movol.

Laundries, Hospitals, Housewives everywhere have praise for no other iron-mould and stain remover but Movol. Testimonials—quite unsolicited—are daily being received acclaiming Movol to be the premier stain remover.



Movol is the only non-acid iron-mould, fruit and ink-stain remover. It's a quick selling line leaving you a fair profit. We, by our vigorous advertising, help you turn Movol into money. A prominent place on your counter and Movol is sold!

Send for full particulars post free and commence at once to participate in the profits.

W. EDGE & SONS, Ltd., BOLTON. ☐

EVERY DAY

someone is wanting Dr. Wilson's Medicated Corn Pencil. It is well advertised, and commands a ready sale. Retails at 1/-; Price 9/- per doz. Carriage Paid. Cash with order.

Talbot Wilson, 16 Highgate Rd., London, N.W. 5.

NATIONAL ANILINE & CHEMICAL

COMPANY, INCORPORATED,

244 MADISON AVENUE, NEW YORK.

Cable Address—"JUBILANT, NEW YORK."

London Agents: SAMUEL LAMBERT & CO., 14 Mincing Lane, E.C.

EARTHENWARE

and Celluloid Capped Pots and Jars, and Druggists' Sundries of every description.

PRICES ON APPLICATION.

T. NORMAN STEEL, Woodfield Lodge, Lockwood, Huddersfield.

ALL CHEMISTS SHOULD STOCK

ABDINE

THE GOLD MEDAL FRUIT DRINK.

Quick Seller. Big Profits. Over 40 Years' Reputation. "ABDINE" is the most popular Health Drink. Superior to all Mineral Waters. Sold in Packets, 2 for 2½d.; Boxes of 13 Packets 1/3. Wholesale Prices on application. Sample Box 1/3. D. McCLASHAN, M.P.S., Abdine Works, Westfield Road, EDINBURGH.

SANDALWOOD OIL.WHIFFEN & SONS, Ltd., are Sole
Consignees of the**MYSORE GOVERNMENT Standard Product.**

Complies with requirements of all Pharmacopœias.

Samples can be had
upon application to**WHIFFEN & SONS, LTD.,** Lombard Road, Battersea, S.W. 11.

Telephone—254 and 255 BATTERSEA.

PURE ORANGE WINE
A. MILLAR & CO., LTD., DUBLIN

(VINUM AURANTII B.P.)

Prepared in strict accordance with the Formula of the British Pharmacopœia.

(Wholesale only.)

London Agent: **JAMES STIRTON** 43 GREAT TOWER STREET, E.C.**"Newberys"**
FRANCIS NEWBERRY & SONS LTD.**PATRIOTIC SERIES OF TOOTH
POWDERS** in beautiful flag designs.

24/- and 40/- per gross.

In spite of the scarcity and great increase in the price of tins, we will, during the month of December, give a special discount of 5 % on all orders of 1 gross and upwards, on mentioning "The Chemist and Druggist."

F. NEWBERRY & SONS, Ltd., Charterhouse Square, E.C. 1.**DECOLTENE**
The liquid hair remover**Dinkie**
Dainty Deodorant

The intelligent depilatory.
Simple, safe and effective.
Pleasant and harmless. In-
valuable during the décolleté
vogue. Daintily packed.

An attractive line that
enjoys good sales. A grease-
less Cream, that takes the
odour out of perspiration.
Daintily packed in opal jars.

Ask your wholesaler.

Both articles largely advertised.

SATISFACTION GUARANTEED OR MONEY BACK.**TRADE TERMS.****DECOLTENE.** Advertised 3/9
and min. Retail price

Trade 30/- per doz.

DINKIE. Advertised and 2/6
min. Retail price

Trade 20/- per doz.

5% cash with order.
Carriage paid on ft lots.

Particulars on request.

ROBARTES, LTD.,128 JERMYN STREET,
LONDON, S.W. 1

Telephone - - Gerrard 3672.

"PLANO"**2D.**per
tablet.**FOR CHAPPED HANDS
AND ROUGH SKIN
SELLS AT SIGHT,**

pleases your customers, and

YIELDS 100 PER CENT. PROFIT

3 doz. ... 4/-	3 gross ... 2½%	13 doz., for cash with order.
6 doz. ... 7/-	5 gross ... 5%	Carriage paid.
12 doz. ... 13/-	10 gross ... 7½%	

Advertising matter supplied.

MILNER'S CHEMICAL CO., LIVERPOOL.

SEMREH
Self-fixing & Air-tight
Bottle Caps
SAVE TIME and LABOUR!

Details from -
The VISCOSÉ DEVELOPMENT CO. LTD.
BROMLEY, KENT

KOLENE
FOR THE HAIR.

is sold in all parts of the
United Kingdom.

Sales run into millions
annually.

Sold
1d. Line, 1½ doz. cards 8/6 grs.
2d. Line, 1 doz. cards 17/- ..
3d. Jars ... 2/3 doz.
4½d. Jars ... 3/4 ..
6d. Jars ... 4/6 ..

KOLENE
has a rapidly increasing SALE.

Ask for one of our travellers to call, or order direct from
The KOLENE CO., 206 Stewart's Rd., London, S.W.

War Prices Protected.

The cutting of special War-increases is an insidious danger from which

RETAILERS OF
JOHN BOND'S

"CRYSTAL PALACE" MARKING INK

ARE PROTECTED.

The increase is but small, $\frac{1}{2}$ d. a Bottle retail, either size, heat or non-heat. Every other domestic commodity has risen more.

The 1/- size protected at 8d. is now protected at 8 $\frac{1}{2}$ d.

The 6d. size protected at 4d. is now protected at 4 $\frac{1}{2}$ d.

THE PROTECTED
RETAIL PROFIT IS

33 $\frac{1}{3}$ %

A good minimum profit on the Marking Ink which will always make new Customers.

PRICE LISTS AND TERMS ON APPLICATION.

JOHN BOND (LONDON) LIMITED, 75 SOUTHGATE RD., LONDON, N.1.

Telephone: Dalston 1824.

Telegrams: "Actinic, Kinland, London" (2 words).

TO USERS and DEALERS in METH. SPIRIT and SPIRIT OF WINE.
FOR QUOTATIONS apply to—

PRESTON'S LIVERPOOL DISTILLERY CO. LD.

The Largest Makers in the Kingdom.

BANKHALL DISTILLERY, SANDHILLS, LIVERPOOL. Office: 4 India B'ngs, Water St., Liverpool.

Customers will come again



if you stock Anzora Cream. No preparation for fixing the hair has achieved such extraordinary popularity. Once a man uses it he always uses it, and you will secure his regular patronage if you introduce Anzora to him. Anzora Cream is the only non-greasy preparation that will effectually master the hair.

Anzora Cream and Anzora Viola (for dry scalps) allow an excellent profit margin to you. TRADE TERMS: 11/6 per doz., retailed at 18/-; 19/6 per doz., retailed at 30/-. Write for Showcards and Cut-outs.

ANZORA PERFUMERY CO.,
32-34 Willesden Lane, London, N.W.

ANZORA
HAIR CREAM

TITTERTON'S CELEBRATED HAIR BRUSHES



**GOOD
PROFITS**

are made by selling
**TITTERTON'S
CELEBRATED
BRUSHES**

(Hair, Tooth, Nail & Shaving
Brushes).

They have a world-wide reputation for excellence of quality, and perfection of workmanship. Should be stocked by all Chemists desiring to give the public the best value for money.

Illustrated Catalogue on application.

TITTERTON & HOWARD,

Brush Manufacturers,

8 & 10 Great Titchfield St., London, W.1.

1917
We can deliver at once New 1917
HIGHEST QUALITY NORWEGIAN
MEDICINAL NON-FREEZING
COD LIVER OIL

**PROMPT
DELIVERY**



REGISTERED TRADE MARK

**LOWEST
PRICES**

ISAAC SPENCER & Co. (ABERDEEN) LTD. ABERDEEN

Salvo Petrolia
the perfection of Petroleum Jelly

in qualities, white, lemon, yellow
and golden, for pharmaceutical
purposes.

MANUFACTURED SOLELY BY

The Dee Oil Company, Ltd.
Delta Works . Bootle . Liverpool.

Packed in barrels, kegs, and smaller
packages according to requirements.

Inquiries are solicited for this article
of **BRITISH MANUFACTURE**, and
buyers may rely that for quality and
price it will meet any competition.

Other Grades
Petroleum Jellies, White Bases, &c.
Samples and prices on application.

"OLEUM DEELINÆ," a certain cure for Eczema.

"Phone: 186 Bootle.

Wires: "Cestrian Liverpool."

We offer

WAXES

PETRO. JELLY

LIQUID PARAFFIN

B.P.

WHITE OILS

Send us your inquiries.

J. J. FRANCES & SONS,
LIMITED,

80a Southwark St., LONDON, S.E. 1.

Best House For
CORKS. ENEMAS.
TEATS. VALVES.
H. W. BOTTLES (Rubber)
Do. (China)
SOOTHERS. BOTTLES.

*Of which Good Stocks are held,
 ready for immediate delivery.*

THOMAS SWALES,
 :: Sundryman ::
 24 BUTTS COURT &
 89 ALBION STREET, **LEEDS.**

9d



**Make your
 old Hat a
 new one.**

*In bottles, 9d.
 each, in sepa-
 rate neat car-
 ons, with suit-
 able brush.*

*These Dyes
 are a distinct
 invention,
 dyeing the
 straw without
 an objection-
 able varnished
 appearance,
 and producing
 the effect of
 new goods.*

NO GLOSS. NO POLISH.
 On the P.A.T.A.

WRITE FOR TERMS, PATTERNS,
 ALSO LEAFLET OF TESTIMONIALS.

"Luton" HAT DYE

**WHITAKER & CO., COLOUR WORKS,
 KENDAL, ENG.**
 London Depot: 60-62 Clerkenwell Road, E.C.

"Glossy" Series supplied if desired. Est. 1878
Special Non-Inflammable Series for Export.
 Telegraphic Address: "Dullette Kendal." Telephone: No. 214.

ELEY BROTHERS, LIMITED

specialise in the manufacture of
 the following articles at the
 lowest prices:

Shaving Stick Cases

Oval and Round Tops

for Powder Tins, Cruets,
 Dredgers, etc.

Metal Boxes

for Dentifrices, Soap Tablets, etc.

Ferrules

for Walking Sticks, Whips,
 Bamboo Fittings, etc.

Pencil Fittings

in any of the following metals:
 Brass, Copper or White-metal
 (nickel or silver-plated),
 Aluminium and Jewellers' Metal
 (Tombac).

*During the continuance of the War we cannot
 undertake orders to make any of the above goods
 requiring one or more of the metals for their
 manufacture of which the use for commercial
 purposes has been prohibited by H.M. Govern-
 ment; but we invite inquiries, as we still have
 some articles in stock which were made before
 the prohibition was issued.*

ELEY BROTHERS, Ltd.

(Dept. 21), Edmonton, London, N.

SCIENTIA

DILIGENTIA

LYSOL

〈SURGICAL ZOTAL〉

The Ideal Germicide & Antiseptic.

Burgoyne's Lysol is a pure cresol preparation containing fifty per cent. of absolute Cresylic Acid, and is perfectly neutral.

NON-CORROSIVE AND
CLEANLY IN USE.

SUPPLIED TO THE
LEADING HOSPITALS.

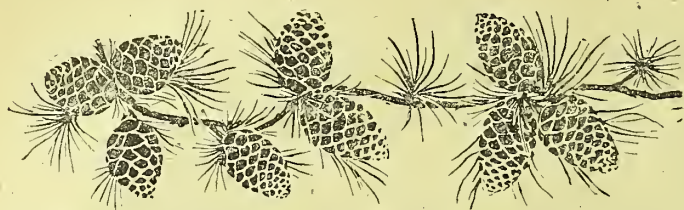


Packed in 4 oz., 8 oz., 16 oz., and 32 oz. Bottles.

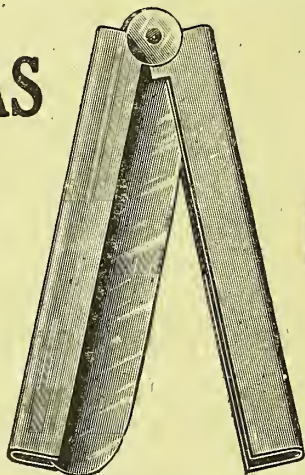
Burgoyne, Burbidges & Co.
LTD.

EAST HAM ————— LONDON, E.

Telegrams : "Zotalene, 'Phone, LONDON."
Telephone : EAST HAM 686 (four lines).



The
REGNAS



**CORN
RAZOR**

will
CUT IT OUT

Use when the corn is dry,
The harder the better, just try.
That's why you ought to buy

The "Regnas" Corn Razor

ENGLISH MAKE

FINELY TEMPERED BLADE
EXCELLENT CUTTING EDGE

THE "REGNAS"
CORN RAZOR
ENGLISH MAKE.

EXAMINE THIS ONE.

FACSIMILE SHOWCARD.

100%

profit.

A BRITISH ARTICLE
in steady demand.

Each Razor sent out in
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*LOSALL'S SALT (well advertised), tins		9d.	6/6
" " " " " "		1/6	13/-
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***Losall's Salt sells so well, surely it must pay Pharmacists to stock such a big profit-bearing protected line.**

Owing to the great increase in the cost of raw material and containers for our Losall's Salt, we are compelled to raise the trade prices, but the retail protected prices are proportionately increased.

LOSALL'S COMPOUND SULPHUR SOAP.

A valuable emollient medicated skin soap, } 1/6 13/6
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LOW PRICES for
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EUCALYPTUS OIL (RECTIFIED).

Eucalyptol Content ... 70/80 %
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Extensively and continuously advertised.

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Testimonials received daily. Stocked by Butler & Crispe, Sangers,
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Petroleum Jelly

White, Yellow, Amber,
& Ruby Red, for all
Pharmaceutical and
Veterinary purposes

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LIVERPOOL . . . MANCHESTER



OVERHEARD IN THE PHARMACY.

CUSTOMER: A bottle of Aspirin Tablets, please, Mr. Carboy.

CHEMIST: Thank you, madam; one shilling for 25 tablets, please.

CUSTOMER: Why, that's very dear! My grocer only charges 9d. I'll get them there. Sorry to have troubled you. Good morning.
(*Exits to Stores.*)

NEW CUSTOMER: What can you recommend for a bad headache?

CHEMIST: Have you tried Aspirin, madam?

CUSTOMER: Oh, no! I really couldn't buy a German article—it wouldn't be FAIR. (*Exits in suspicious mood before the Chemist has time to explain that there are British Aspirins.*)

GOOD CUSTOMER: These Aspirin Tablets you sold me don't seem to have much effect, Mr. Carboy.

CHEMIST: I am sorry to hear that, Sir, and will exchange them with pleasure. There are so many makes of Aspirin that it is impossible to guarantee uniform efficacy. (*The Chemist makes a mental note to avoid these difficulties by only stocking "Salaspin"—the advertised, standard, profitable, price-protected British product that effectively replaces German Aspirin.*)

"Salaspin" is sold in cartoned bottles of 25's and 100's at the P.A.T.A. prices of 1/- and 3/- respectively. Samples and particulars of trade prices on application.

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BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, England.
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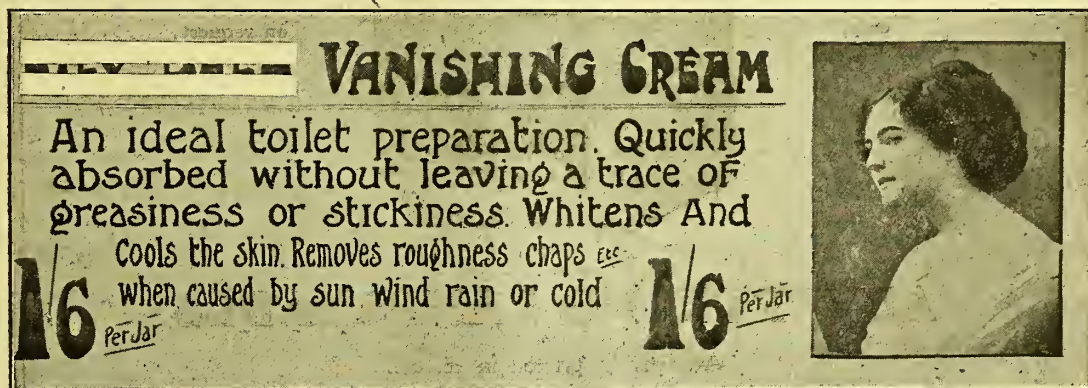
Samples and Prices on Application.

EVANS, GADD & CO., Ltd., Bristol & Exeter.

The SHOWCARD



The ABUSE



The APOLOGY

2, LYTHAM ROAD, BLACKPOOL

November 17, 1917

I hereby tender my humble apology to Messrs. Burroughs Wellcome & Co. for trespass on their copyright by employing the predominant feature of one of their "Hazeline" Snow" showcards to advertise a competitive preparation.

I undertake to at all times refrain from further infringement of their copyright in any of their advertisements, and agree to publication of this apology.

(Signed) JOHN LAURIE

Original, artistic, copyright showcards are supplied by us free to chemists on request.



BURROUGHS WELLCOME & CO., LONDON

THE BRITISH DRUG HOUSES

B.D.H.

For
Electric Light
only.



Supplies
free
on request.

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Attractively printed in colours.

The panels relate to

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and

EASTERN FOAM

Pharmacists are invited to apply for a free supply of these Shades, mentioning number which can be utilised.

Special Terms for "Eastern Foam" in quantity with display.

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A Weekly Journal of Pharmacy and of the Chemical and Drug Trades.
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official Journal of many Chemists' Societies in Australia, Ireland, New Zealand, South Africa, and the West Indies.

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Twelve Shillings and Sixpence a year in advance, post free to any part of the world, including a copy of *The Chemist and Druggist Diary* next published. Subscriptions may begin any month. Single Copy, 6d.; Summer or Winter Number, 1s.; *Diary* 3s. 6d. Postal orders and cheques to be crossed "Martin's Bank (Limited)."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 12s. 6d., franco.

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Head Office: 42 CANNON STREET, LONDON, E.C.4.

Telegrams: "Chemicus. Cannon, London." Telephone 3617 Central (three lines).

Branches: ADELAIDE, MELBOURNE, AND SYDNEY, AUST.

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Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Tuesday, December 4.

Society of Chemical Industry, London Section, Burlington House, Piccadilly, W., at 8 P.M. Professor Henry Louis on "The Economics of Coal Production."

Wednesday, December 5.

Pharmaceutical Society of Great Britain, 16 Bloomsbury Square, London, W.C., at 11 A.M. Council-meeting. North British Branch, 36 York Place, Edinburgh, at 8 P.M. Mr. D. B. Dott on "Solubility" and "The B.P. Test for Methyl Compounds in Ether"; Dr. H. E. Watt on "The Melting Point of Allantoin"; Mr. Geo. Elliot on "An Incompatible Tar Ointment" and "Ung. aq. rosae B.P."; Mr. J. Rutherford Hill on "D.O.R.A. Regulations as Affecting Pharmaceutical Practice."

Liverpool Chemists' Association, Royal Institution, Colquitt Street, at 8 P.M. Mr. G. A. Hill, Ph.C., President of the British Pharmaceutical Conference, on "Government Control of Materials as Affecting Pharmacy."

Thursday, December 6.

Chemical Society, Burlington House, Piccadilly, London, W., at 8 P.M. Dr. F. L. Pyman on "The Relation between Chemical Constitution and Physiological Action."

Glasgow and West of Scotland Chemists' Association, 165 Hill Street, Charing Cross, Glasgow, at 9 P.M. Mr. Alex. Laing on "The Earth in the Making."

Wednesday, December 12

Western Pharmacists' Association, Frascatti's Restaurant, Oxford Street, London, W., at 8.15 P.M. Lantern lecture by Mr. J. P. Gilmour on "Pre-war Vacations in Ireland and Scotland." Ladies specially invited.

European War News.

Control of Potassium Compounds.

General Licence for Purchase of Potassium Compounds for Medicinal Purposes.

Under the Potash Order, dated October 17, 1917 (see C. & D., October 27, p. 33), no person may offer to purchase, purchase, or take delivery of certain potassium compounds except under and in accordance with the terms of a licence issued on behalf of the Minister of Munitions by the Controller of Potash Production, and no person may offer to sell, sell, supply, or deliver any such compounds to any person other than the holder of a licence and in accordance with the terms thereof.

The Order prescribes that no licence is required (a) by the Admiralty or War Office; (b) by any person for the purchase and delivery of potassium compounds in quantities not exceeding in weight an aggregate of 3 lb. avoirdupois during any one calendar month; and, further, that all persons shall furnish to the Controller of Potash Production, at the times and in the manner prescribed by him, returns of the potassium compounds held in stock by them or otherwise under their control, or manufactured, produced, bought, sold, or otherwise dealt in by them.

The compounds to which the Order relates are: (1) Caustic potash (KOH); (2) chloride or muriate of potash (KCl); (3) carbonate of potash (K₂CO₃); (4) sulphate of potash (K₂SO₄); (5) any material (other than blast-furnace dust, which is controlled by a separate Order) of which more than 10 per cent. consists of any one or more of the above four compounds.

The Controller of Potash Production now announces that until further notice he licenses the purchase by any person of potassium compounds coming within the terms of the Order, notwithstanding that such purchases may exceed an aggregate of 3 lb. per month, provided that the compounds so purchased are used solely in B.P. form or in B.P. preparations for purely medicinal purposes.

By this general licence retail druggists, hospitals and similar institutions, medical men, and others are relieved of the onus of applying for individual licences to purchase compounds coming within the conditions indicated in italics above, and wholesale druggists and others may supply such compounds for use as above set out without the necessity of verifying that the purchaser holds an individual licence to purchase or take delivery.

It will, however, be necessary for the wholesaler, in making his returns to the Controller, to state the aggregate amount and value of his sales of compounds for purely medicinal purposes during the period covered by each return.

Special forms of return will be provided for this purpose.

All sales of compounds other than those exceeding 3 lb. aggregate per month per person, and the sales for medicinal purposes hereby licensed, must be conducted strictly under purchasers' licences as prescribed by the Order, and, together with an aggregate statement of sales under 3 lb., and for medicinal purposes, must be brought out on the returns as at present.

Export Notice.

UNITED KINGDOM.—The following alterations in the lists of prohibited exports are notified in the "London Gazette" (November 27): *Headings deleted.*—(c) Cascara sagrada; (b) cinchona-bark; (c) formic acid; (c) iridium compounds; (c) osmium compounds; (c) palladium compounds; (b) quinine and its salts; (a) radium compounds; (c) rhodium compounds; (c) ruthenium compounds; (b) fats, all animal and vegetable, and articles and mixtures containing such fats not otherwise prohibited; (b) fatty acids and articles and mixtures containing fatty acids; (c) iridium and its alloys and manufactures containing iridium; (b) oils, animal, not otherwise specifically prohibited, and articles and mixtures containing such oils. Oils, vegetable, the following, and articles and mixtures containing such oils: (a) Castor; (a) coconut; (a) colza or rapeseed; (a) cottonseed; (a) ground-nut; (a) linseed; (a) palm-kernel; (b) all other vegetable oils not otherwise prohibited; (a) oleaginous kernels, nuts, seeds, and products not otherwise specifically prohibited. (c) Osmium and its alloys and manufactures containing osmium; (c) palladium and its alloys and manufactures containing palladium; (c) rhodium and its alloys and manufactures containing rhodium; (c) ruthenium and its alloys and manufactures containing ruthenium. *Headings added.*—Chemicals, etc., the following: Araroba or Goa powder; (c) arca or betel-nut; (c) arecoline; (c) buchu-leaves; (c) Calabar beans; (c) cascara sagrada and its preparations; (c) chrysarobin; (a) cinchona-bark, its alkaloids and their salts; (c) coca-

leaves; (c) colocynth; (c) cubebs; (c) cuprea-bark; (a) formic acid; (b) Indian hemp (cannabis indica); (b) iridium compounds; (b) osmium compounds; (b) palladium compounds; (a) radium and its compounds; (c) rhatany-root; (b) rhodium compounds; (b) ruthenium compounds; (c) St. Ignatius beans; (c) soda, nitrite of; (c) squills; (a) fats, all animal and vegetable, and articles and mixtures containing such fats not otherwise specifically prohibited; (a) fatty acids and articles and mixtures containing fatty acids not otherwise specifically prohibited; (b) iridium and its alloys and manufactures containing iridium; (a) Oils, fixed, all animal and vegetable, and articles and mixtures containing such oils not otherwise specifically prohibited; (a) oleaginous kernels, nuts, seeds, and products of all kinds; (b) osmium and its alloys and manufactures containing osmium; (b) palladium and its alloys and manufactures containing palladium; (a) chicory: (a) coffee essence, including coffee essence containing chicory; (b) rhodium and its alloys and manufactures containing rhodium; (b) ruthenium and its alloys and manufactures containing ruthenium; (c) saponaceous berries (soap-nuts and sparita), barks and roots; (b) terebene and articles containing terebene; (a) tobacco, unmanufactured and manufactured; (a) turpentine substitute not otherwise specifically prohibited, and articles containing such substitute.

Personalia.

CORPORAL J. H. HOLDEN has been wounded in action. Prior to joining the Forces in September 1914, Corporal Holden was a chemist in Sheffield.

GUNNER J. WERRALL, who is in hospital in England, has been awarded the Military Medal. Prior to the war he was with Joseph Crosfield & Sons, Ltd., Warrington.

SECOND-LIEUTENANT MAURICE LANE has recently been appointed to the Intelligence Staff. Lieutenant Lane is a partner in Charles Lane & Sons, Idol Lane, London, E.C.

SECOND-LIEUTENANT F. O. LANE has been awarded the Military Cross for conspicuous bravery in Flanders. Lieut. Lane is a partner in Charles Lane & Sons, Idol Lane, London, E.C.

SERGEANT G. PHILLIPS, R.A.M.C., son of Mr. George Phillips, Ph.C., Roscommon, has been granted a commission. Lieutenant Phillips was at the capture of Bagdad, and served for some time in Egypt.

MR. F. D. SMITH, son of Mr. Frederick Smith, Ph.C. (Secretary of the Birmingham Pharmaceutical Committee and Hon. Secretary of the Birmingham Pharmaceutical Association), has been granted a commission in the Royal Flying Corps.

SERGEANT JOSEPH LISTER, Lancashire Fusiliers, has been awarded the Victoria Cross for most conspicuous bravery in attack. Prior to enlistment in September 1914, Sergeant Lister was with Charles Lowe & Co., manufacturing chemists, Reddish.

LIEUTENANT W. A. MURPHY, Royal Inniskilling Fusiliers, has been wounded and is in hospital in France. Prior to the outbreak of war, Lieutenant Murphy was a chemist in Enniskillen. He enlisted as a private, and served in the quelling of the Irish Rebellion last year.

LIEUTENANT R. ROBINSON, Royal Field Artillery, has been awarded the Military Cross for distinguished conduct. Lieutenant Robinson, who prior to the war was with Boots, Ltd., at Newcastle-on-Tyne, enlisted on the outbreak of hostilities, and has since been wounded in action.

GEORGE EDWARD HEYL, a naturalised German with offices at King's House, Kingsway, London, W.C., described in the lay Press as "a famous chemist," has been interned. Heyl, who protests that he has in no way offended against the laws of this country, has lived here for over thirty years, and was naturalised in 1896.

SERGEANT G. H. BREBNER, R.A.M.C., has received a commission as second-lieutenant in the Middlesex Regiment. After serving his apprenticeship in pharmacy with William Doig & Sons, chemists, High Street, Dundee, Lieutenant Brebner passed the Minor examination in 1905. He enlisted on the outbreak of war, and has seen service in Malta and at Salonica.

Miscellaneous.

ENEMY FIRM TO BE WOUND UP.—Alliance Manufacturing Co., Ltd., 12 Station Road, Finsbury Park, London, N. 4, dealers in fats and oils. *Controller*: Sidney J. Field, 17 Shaftesbury Avenue, London, W. 1.

CARNAUBA WAX.—The War Office intimates that the Order which was issued on July 11, by which all stocks of carnauba wax were to be declared, excepting stocks of less than 2 tons, does not now apply to yellow carnauba wax.

ENEMY PATENTS AND TRADE-MARKS.—British Dyes, Ltd., are applying for licences for eleven patents belonging to enemy companies or vested in the custodian of enemy patents. Sir R. A. Cooper has been granted licences to use patents 24117/08 and 27966/09 covering odol bottles. Levinstein, Ltd., are applying for the avoidance of trade-marks 241,900, 307,556, and 309,051 ("Lithol") registered in the name of the Badische Anilin & Soda Fabrik. The hearing is to take place on December 6.

SUGAR RATIONS.—The Ministry of Food has issued an order that every householder must obtain a "retailer's sugar-ticket" for each member of his family, and to this end must first procure the requisite number of declaration-forms from the retailer with whom the household sugar-card has been deposited. No form may be filled up in respect of any person who has removed or otherwise ceased to be a member of the household, or in respect of any person who has become a member since the application for a sugar-card was made. The "retailer's sugar-ticket," it is stated, can be used, on removal, to obtain a ration-paper and sugar-coupons.

ITALY'S MESSAGE.—Oppenheimer, Son & Co., Ltd., 179 Queen Victoria Street, London, E.C., send us the following letter which they have received from their Milan agent:

"At this time of sorrow and sadness for us, which, however, shall not discourage us or make us doubt the great and glorious and honourable victory that will be ours, I cannot fail to write to you and express my heartfelt gratitude for the valiant deeds of your magnificent Army and the words of sympathy and helpfulness that your great men have uttered in public concerning our present difficulties. We Italians have unbounded faith in your promise of help and deep gratitude for your determination to stand by us; you do not know what a deep impression all this has made on us; we are firm in our resolve to be worthy of your trust, and our souls are lifted up, and we look forward to the future without dismay."

FINANCING FACTORIES.—The Treasury and the Minister of Reconstruction have appointed a Financial Facilities Committee with the following terms of reference: To consider and report whether the normal arrangements for the provision of financial facilities for trade by means of existing banking and other financial institutions will be adequate to meet the needs of British industry during the period immediately following the termination of the war, and, if not, by what emergency arrangement they should be supplemented, regard being had in particular to the special assistance which may be necessary (a) to facilitate the conversion of works and factories now engaged upon war work to normal production, (b) to meet the exceptional demands for raw materials arising from the depletion of stocks.

Military Tribunals' Decisions.

SINCE OUR LAST REPORT the following decisions have been notified:

DUNDEE.—The appeal of Mr. J. H. Thomson, chemist and druggist, Lochee, for his assistant, Mr. G. L. Crofts, was dismissed, the Insurance Commissioners declining to interfere. (See *C. & D.*, November 24, p. 34.)

ENFIELD.—Six months' conditional exemption was granted to Mr. J. L. Morrison, chemist and druggist, Ponders End.

KIRKCALDY.—Temporary exemption to February 11, 1918, was granted to Mr. A. B. Crombie, assistant with Mr. A. G. Adamson, chemist and druggist.

MANCHESTER.—Exemption till November 30 was granted at the Russian Tribunal to Philip Arazkin, described as a dispenser and colourer of essential oils, on the staff of R. Hassan & Co., Ltd., 74 Princess Street. It was stated that this business was previously in German hands, but had been brought to England by a director of the firm, and the process had been elaborated by Mr. Arazkin. The oils were shipped to British Colonies.

NUNEATON.—The appeal of Mr. Arthur H. Drake, apprentice with Boots, Ltd., was adjourned for reference to the medical assessors.

PORTLAND.—The case of Mr. William Flack, chemist and druggist, Fortune's Well, who stated that he had been rejected three times in three different towns during the first fortnight of the war, was adjourned for further medical examination.

RETFORD.—Three months' exemption was granted to Mr. J. H. Gledhill, apprentice with Mr. E. R. Pater, Ph.C.

SHOTTON.—Mr. J. Prince, chemist and druggist, Chester Road, was granted further exemption to January 14, 1918.

STRATFORD-ON-AVON.—Mr. J. L. Miller, assistant with Mr. F. D. Spencer, chemist and druggist, was granted two months' exemption.

WARMINSTER.—On the appeal of Mr. F. Cook, chemist and druggist, exemption to April 30, 1918, was granted to Mr. W. B. Cook and Mr. A. Wait.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Birmingham.

Councillor W. A. Cadbury is the new Chairman of the Public Health Committee for the City of Birmingham.

Councillor George Cadbury, jun., is the new Chairman of the Housing and Town-planning Committee of the Birmingham City Council.

An example of the co-operative chemical laboratory (advocated in an address delivered locally by Mr. Evered) is to be found in embryo at the Municipal Technical School.

An advertisement in the local Press suggests that anyone who can invest 100% as partner in the ownership of a blood-mixture will ensure a fortune. The recipe is said to be the prescription of a doctor's son.

By applying to the Ministry of Munitions for a permit, reasonable quantities of chemicals required for war-work (direct or indirect) may be procured. In the case of a Birmingham analyst, however, this procedure involved a journey to London.

Specimens of substitutes for "glycerin and/or syrup" galenicals were on view at a recent meeting of local pharmacists. The quaintness of some of the exhibits was only equalled by the quaintness of the faces made by some of the tasters of these and/or-less delicacies.

A successful concert was given by the employees of Southall Bros. & Barclay, Ltd., at the Priory Rooms, Birmingham, on November 13, the object being to help Southall's Soldiers' Comforts Fund. The programme was much enjoyed by an audience of some 350 people, the net proceeds of the effort amounting to 15%.

A pharmacist was shown recently a specimen of dill-fruit that had been baked in a cake in error for caraway-fruit. A generation ago, the housewife patronised the chemist for her spices; now she visits the grocer, as in this instance. The pharmacist in question recommended his friend to eat the cake on patriotic grounds!

Liverpool.

"Akrol" and "Zelfoam" (a toilet-cream for which a brisk demand is reported) are prominent in a seasonable display made by Thompson & Capper, Ltd.

Members of the Liverpool Chemists' Association present at the lecture by Mr. F. Pilkington Sargeant, Ph.C., on pharmaceutical reconstruction (*C. & D.*, November 24, p. 46), were impressed by the manner as well as the matter of the lecturer, who came armed with ample notes—and did not need them.

At Liverpool Police Court, on November 22, J. R. Aikyo and T. Tao were each sentenced to three months' hard labour, and Tao was recommended for deportation, on a charge of sending a letter written with "invisible ink." A chemist from the Intelligence Department of the War Office said that this kind of ink had been largely used during the course of the war.

Currency has just been given to the method adopted by an old-time pharmacist, now no longer with us, for regulating his exchequer. Three of his stock ointment-pots—possibly he feared burglary—served as cash-boxes. In number one, he deposited his takings until the rent, wages, etc., for a given period were provided for. In number two, he stored money for paying one of the two wholesalers with whom he dealt. Number three was devoted to money destined for the other and wealthier wholesale firm; and it was from number three that he drew whenever he took a day or evening off.

Manchester.

A verdict of "Accidental death" was returned at an inquest held on November 21 on a boy named Rostron, who died after drinking "boiler composition" that had been used for window-cleaning at the Albion Mill, Droylsden.

At the Manchester Children's Court, on November 27, six boys were sentenced to the birch, and one was remanded for a week, on a charge of breaking into the Stretford Road, Hulme, branch of Boots, Ltd., and stealing goods value 8/- 6s.

The Manchester Chemists' Assistants' Association held a whist tournament at the Clarion Café on November 21, when over eighty ladies and gentlemen were present, including the President of the Manchester Pharmaceutical Association (Mr. Joseph Bell) and the Secretary (Mr. Miller). Prizes

were awarded as follows: Ladies—(1) Miss Sourbutts, (2) Mrs. Halse, (3) Mrs. Roberts, (special) Mrs. Liversey; Gentlemen—(1) Mr. Walker, (2) Private Halse, R.M.L.I., (3) Private Roberts, R.A.M.C., (special) Mr. Liversey.

Sheffield.

Police inquiries have been made in some districts as to the regularity of signatures in pharmacists' poison-books for transactions in laudanum.

The close watch kept by the powers that be on window-lighting has been productive of some ingenious effects in the display of pharmaceutical products after dark.

Special consideration is given to the delivery of medicines by the railway authorities, but it is almost impossible to get empties accepted for return. In some cases they have even been re-delivered to the would-be sender.

Carter & Sons, wholesale druggists, have taken over the business of John Schofield & Tandy & Sons, comb-manufacturers, and have installed many up-to-date machines. About 80% per cent. of their output is absorbed by Government contracts.

Pharmacists of military age are receiving a calling-up notice (duly dated) accompanied by a form for use in cases in which a protection-card or Tribunal exemption is held. The Secretary of the local Pharmaceutical Committee should be consulted in any doubtful case.

Miscellaneous.

PARCEL-POST RESTRICTIONS.—Until further notice, parcels (except those addressed to prisoners of war) for Switzerland, Spain, and Portugal, *via* France, cannot be accepted for transmission by post.

THE RECENT ANNUAL REPORT of the Bradford Co-operative Society, Ltd., shows sales in the drug department amounting to 662/- 10s., yielding no profit, but productive expenses included in goods, 41/- 12s.

THEFT-CHARGE.—At Mansion House Police Court, London, on November 23, Joseph Adams (56), described as a chemist's assistant, was sentenced to fourteen days' hard labour on a charge of stealing a magazine from a shop in St. Paul's Churchyard. Three previous convictions were proved.

SENTENCE MITIGATED.—At London Sessions, on November 27, the appeal of Dr. J. H. Bell against a sentence of six months' hard labour for an offence under the Defence of the Realm Act (*C. & D.*, July 14, p. 35) was dismissed with costs, the imprisonment to be served in the second division.

INCREASED WAGES.—Some 12,000 employees of Brunner, Mond & Co., Ltd., Northwich, have been awarded by the Committee on Production an advance of 2s. 6d. per week to compensate for the reduction of overtime, together with a general advance of 1/- 4d. per hour. The working-hours will be 53½ weekly, and the lowest-paid men will receive 52s.

SALE OF FOOD AND DRUGS ACTS.—Among the articles enumerated in the last quarterly report of the Wolverhampton public analysts are arrowroot, spirit of camphor, tincture of myrrh, cream of tartar, and salt of tartar. All were found to be genuine.—The Lambeth public analyst (Mr. A. H. M. Muter, F.I.C.) states in his latest quarterly report that owing to the scarcity of glycerin, and to the fact that he had received instructions from the Ministry of Munitions to be as sparing in the use of it as possible, the quantity of boric preservative present in samples of butter examined was estimated only. Among the articles analysed were four prescriptions, which were passed as genuine.

THERMOMETER-MAKERS ORGANISE.—At a largely attended meeting of the master glassblowers and thermometer-makers, held at the Holborn Hall, Gray's Inn Road, London, W.C., on November 19, it was unanimously decided to form an Association for the protection of the trade in general. A temporary Committee was elected for the purpose of drawing up rules and regulations and discussing the future of the proposed Association. The Committee has decided to call a meeting for Monday, December 3, in the large hall, Finsbury Town Hall, Rosebery Avenue, E.C., at 2 P.M. All those directly connected with the thermometer and glass scientific-instrument trade are cordially invited to attend.

SOIL INSECTICIDES.—Arrangements have been made by the Food Production Department for testing various soil insecticides on a farm in Northumberland.

HOPS AS TOBACCO SUBSTITUTE.—Over 20,000 cwt. of old hops have been bought up in Nürnberg for use as a tobacco substitute. The hops are crushed, "and by means of chemical additions worked into an agreeable smoking-material." We are glad to hear the Huns like it.

Irish News.

Brevities.

According to the "Freeman's Journal," the Apothecaries' Hall of Ireland, Dublin, has re-established the manufacture of several important drugs and chemicals.

Mr. J. M. Whyte, of the Ni-Verre Chemical Co., Ormeau Avenue, Belfast, is selling copies of "Compatible Contributions" at 9d. each for the benefit of the Ulster Limbless Hospital.

At the Belfast Police Court on November 26, John Burns, described as a chemist, was fined 40s. or a month for having behaved in a riotous manner on the previous day when addressing a Socialist meeting.

A "Pharmaceutical Chemist," writing in the Cork local Press, states that sugar is often prescribed by doctors for flavouring-purposes only. He adds that bitter drugs, such as quinine, are just as well without as with syrup.

Mr. G. C. Hewson, Ph.C., Ballina, co. Mayo, writes, in reference to the paragraph in the *C. & D.*, November 17, p. 36, that he did not make the claim that he is the only chemist in Ireland holding the three qualifications: it appeared in a local paper, and was unauthorised.

The Local Government Board has written to the Cork Board of Guardians refusing to sanction an increase of salary to Mr. O'Sullivan, Ph.C., dispenser to the Union; but stating that it is prepared to sanction a salary of 65l. per year if Mr. O'Sullivan resigns and there is a fresh election. The Guardians pointed out that for his services Mr. O'Sullivan is inadequately paid, and if there is another election he would be re-elected.

Scottish News.

Brevities.

The feature of the past week has been the sudden increase in the price of soap.

Two thousand acres of flax are to be sown in Scotland: in Fifeshire alone there will be about 500 acres.

Much concern has been caused in Scotland by the Government's refusal to allow manufacturers export permits for disinfectants required in the rubber-industry; it is hoped that the attitude of the authorities will be modified.

The statement in the "Weekly Scotsman," November 24, regarding Lord Anson's cure for rheumatism refers to the well-known "Chelsea Pensioner." The connection of Lord Anson with the remedy is doubtful, according to "Pharmaceutical Formulas."

It appears that the Falkirk Parish Council's 800-lb. purchase of tea, regarded by the local Food Control Committee as "hoarding," was decided upon by the casting vote of the Chairman; 200 lb. at 2s. 4d. and 600 lb. at 3s. 4d. were the contract prices.

The honey season in the North of Scotland has been good: 80 lb. per hive, valued at 4l., is the estimated average. It has been ascertained by experiment that the Isle of Wight disease, now almost extirpated, is not infectious so far as healthy bees are concerned.

Edinburgh.

The Bureau for East Edinburgh panel patients, 4 Dalziel Place, is closed as from November 30.

Boys at this time of the year seem to develop two passions—the chewing of liquorice-root and the smoking of pipe, cinnamon. At any rate, year after year the demand for both recurs about the same period.

Glasgow.

The new hall (a permanent structure) in course of erection for the British Industries Fair is to be completed in January next (see *C. & D.*, September 8, p. 36). British Dyes, Ltd., and several other manufacturing chemists have taken spaces.

At Glasgow Sheriff Court, on November 22, the Avonbank Co-operative Society, Ltd., Queen Street, Rutherglen, were fined 10l. for selling milk containing the equivalent of 22.75 gr. of boric acid per gal., and less than 8.05 per cent. of solids other than milk-fat.

Correspondence in the "Glasgow Herald" has established the identity of the J. C. Cotter Morison referred to in Viscount Morley's "Recollections." He was the son of the inventor of Morison's Pill, on which Carlyle bestowed a second immortality by taking its title for a chapter-heading in "Past and Present"—and writing it "Morison"!.

Legal Reports.

Workmen's Compensation Act.—At Blackburn County Court last week, his Honour Judge Hugh Sturges, K.C., was asked to sanction an agreement in which the applicant was Mary Lawless, a widow, and the respondents William Blythe & Co., Ltd., manufacturing chemists, Accrington. Applicant claimed compensation in respect of the death of her husband, who was, alleged to have died through inhaling nitrous fumes whilst in the company's employ. The company denied that death was caused or accelerated in this manner, but they offered to make the widow a gift of 20l. and 10l. towards her expenses. His Honour sanctioned the settlement.

Milk-powder.—In the City of London Court on November 22, before his Honour Judge Athorley-Jones, K.C., J. H. Ironmonger, Ltd., 20 Eastcheap, E.C., sued A. Van den Hurk, importers and exporters, London House, 35 Crutched Friars, for 30l. loss on a contract for milk-powder. Plaintiffs' case was that on April 25 and 27 defendants agreed to supply plaintiffs with 5 tons of full-cream milk-powder at 128l. per ton, and 5 tons of skimmed-milk powder at 79l. per ton. Defendants having broken their contract, plaintiffs had to buy elsewhere 5 tons of full-cream milk-powder at 134l. per ton, incurring a loss of the sum claimed. Defendants did not appear, and judgment was given for the plaintiffs.

Company News.

UNITED DRUG CO.—The fifteenth anniversary of the United Drug Co. was held in Boston, Mass., on October 23. It took the form of a dinner at the Hôtel Somerset. The speakers included Governor McCall, Mayor Curley, and Mr. Louis K. Liggett, the founder of the company. As it was a "meatless day," fish was served instead of meat.

GERMAN CHEMICAL COMPANIES.—The "Frankfurter Zeitung" announces a further large increase of about 7½ millions sterling in the nominal capital of the German aniline-dye concerns, which will bring the total capital to about 20 millions sterling. The utmost determination to maintain German predominance in aniline dyes is still expressed. Meanwhile, we may add that the United States and Great Britain have already rendered themselves independent of German aniline dyes. During the year ended June 30, 1917, the U.S.A. exported dyes and dyestuffs valued at \$11,711,000, against \$5,102,002 in 1916.

ILFORD, LTD.—The directors' report for the year ended October 31, 1917, states that, after making allowance for depreciation and provision for doubtful debts, the net profit for the year is 42,142l. This amount, with 5,502l. brought forward from last year, gives 47,644l. for appropriation. The directors have paid the dividend on the 6 per cent. preference shares amounting to 11,400l., leaving a balance of 36,244l. 11s. 8d. From this balance the directors recommend that 6,000l. be placed to reserve, 10,000l. be written off goodwill, and that a dividend of 6 per cent., amounting to 11,400l., be paid on the ordinary shares for the year ended October 31, 1917. This will absorb 27,400l., leaving 8,844l. to be carried forward.

O. PHELPS BROWN, LTD.—Under a compulsory winding-up order made against this company last March, Mr. H. E. Burgess, Official Receiver and Liquidator, reports that the company was formed in September 1906, with a nominal capital of 3,000l., to take over the business of manufacturers of and dealers in herbal remedies and specialities carried on by the vendor, Geo. Heath Tilley, under the style of O. Phelps Brown Herbal Remedies and Dr. Lane's Catarrh Cure. The business was apparently started by Mr. O. Phelps Brown many years ago, and was assigned to the vendor in May 1901. The consideration for the sale was 2,993l. in fully-paid shares, and the discharge of the vendor's liabilities. The company acquired a lease of 29 Essex Place, Chiswick, for seven or fourteen years from March 1912 for manufacturing purposes. Debentures to the amount of 842l. 15s. have been issued, and in December 1916 Mr. P. S. Fitzner was appointed receiver and manager on behalf of the bond-holders. The accounts filed under the liquidation show unsecured debts, 1,052l. 5s. 1d.; loans on debenture bonds and interest, 879l. 6s. 2d.; assets valued at 563l. 9s. 11d.; and a total deficiency of 4,368l. 1s. 4d. as regards contributories. The failure and insolvency of the company are attributed principally to heavy expenses and litigation in connection with premises in Chandos Street, and partly to the want of advertising.

Marriages.

DRYSDALE-MITCHELL.—At the Church of the Holy Innocents, South Norwood, S.E., on November 24, Captain J. Douglas Drysdale, Royal Flying Corps, eldest son of Mr. J. W. Drysdale (J. W. Drysdale & Sons, 16 Fish Street Hill, E.C.), to Ivy, youngest daughter of Mr. and Mrs. R. W. Mitchell, Weighon Road, Anerley, S.E.

WATKINS-READE.—At Tottenhall Church, on November 19, by the Rev. J. O. Cox, M.A., Second-Lieutenant N. H. Watkins, Royal Field Artillery, to Ellen, daughter of Mr. Thomas Reade, chemist and druggist, Victoria Street, Wolverhampton.

Deaths.

CAMPBELL.—At Glasgow, recently, Mr. Colin Campbell, for over sixty years with the Glasgow Apothecaries' Co., Ltd.

CHANCE.—At Walcot, Torquay, on November 22, Mr. Alexander Macomb Chance, J.P., aged seventy-three. Mr. Chance was born in Birmingham, and in 1865 became manager of Chance Bros. (subsequently Chance & Hunt, Ltd.), Oldbury, retiring in 1911. His name is widely known in connection with a process for the recovery of sulphur from alkali waste. He was appointed in 1887 a Justice of the Peace for Birmingham, with which city his family has been connected since the seventeenth century; and till 1909 he was prominent in the public affairs of the district. He was twice married, and is survived by four sons and a daughter. The funeral took place at Quinton, and was attended by numerous representatives of official bodies, including Alderman Clayton, Ph.C., Mr. Joseph Sturge, Mr. W. A. Albright, Mr. J. W. Wilson, M.P., Mr. H. W. Crowther, Mr. G. E. Wilson, and Dr. Broughton.

CHANDLER.—At St. Alban's, Bath Road, Devizes, on November 16, Mr. James Chandler, chemist and druggist, aged seventy-nine.

HALLETT.—At 243 Peckham Rye, London, S.E., on November 22, Mr. Sidney Hallett, aged fifty-four. Mr. Hallett had been connected with the Mincing Lane produce-trade for upwards of thirty-five years, and early in his career he was with Green & Pitt, Hasslauer Bros., and Lambert & Strong, where he gained a knowledge of the drug-trade which enabled him to start on his own account later. At the outbreak of war he relinquished his drug-business at 9 Mincing Lane (which was chiefly export to France), and devoted himself to drug-milling, gum-sorting, etc., at Albert Road, Peckham, S.E. About nine months ago he joined French & Plucknett, drug-brokers, 7 Mincing Lane, as market clerk, while still maintaining the Peckham business. Mr. Hallett was very popular with those whom he came in contact with, and was hard-working and faithful in matters of detail. We understand from his son, Second-Lieutenant R. S. C. Hallett, of the 9th Middlesex Regiment, that arrangements are being made to continue the drug milling and sorting business at Peckham.

PARKER.—At Des Moines, Iowa, U.S.A., recently, Mr. John Henry Parker, chemist, aged eighty-two. Mr. Parker was formerly in business at St. James's Street, Burnley, and left England in 1870 to open a pharmacy at Des Moines.

PEARCE.—At 80 Ringstead Road, Lewisham, London, S.E., on November 11, Mr. Daniel Seymour Pearce, chemist and druggist, aged seventy-one.

SMYTH.—At a nursing home, on November 12, Mr. Thomas Spring Smyth, chemist and druggist, 43 Arthur Road, Wimbledon, London, S.W., aged sixty.

Died on Service.

BARCLAY.—Killed in action on October 30, Robert Herman Barclay, London Regiment, elder son of Mr. G. R. Barclay (Barclay & Sons, Ltd.), 95 Farringdon Street, London, E.C., aged thirty-six.

BOOTH.—Private Herbert Booth, South Lancashire Regiment, has been killed in action. Private Booth was for ten years with Mr. R. A. Bell, wholesale druggist, Huddersfield.

BROWN.—Second-Lieutenant Alison Brown, Gordon Highlanders, was killed in action on October 26. Lieutenant Brown, who in civil life was engaged as a chemist at Motherwell, enlisted early in the war.

BROWN.—Gunner George S. Brown has died of wounds received on service. After serving his apprenticeship in pharmacy with Mr. Charles Young, chemist and druggist, Dundee, Gunner Brown went to Vancouver, where he established three businesses, two of which he gave up on joining the Colours.

HESELTINE.—Private James Heseltine, Lancashire Fusiliers, died of wounds on November 17. Before joining the Army he was with Mr. H. Bellringer, chemist and druggist, Great Clowes Street, Manchester.

JORDAN.—Private J. V. T. Jordan, Royal Warwickshire Regiment, has been killed in action. He enlisted from a Birmingham branch of Boots, Ltd.

KING.—Cyclist Harry E. King, Army Cyclists' Corps, died on service, of malaria, on November 19. He was a brother-in-law of Mr. Henry Jones, chemist and druggist, West Green Road, Tottenham, London, N., and prior to enlistment was with Boots, Ltd., at Swindon and Birmingham.

LAPISH.—Private Charles Lapish, King's Own Yorkshire Light Infantry, has been killed on service by a shell. In civil life he was an analytical chemist on the staff of the Yorkshire Chemical Dyeware Co., Ltd., Ravensthorpe.

McNAMARA.—Private Christopher McNamara, East Yorkshire Regiment, has been killed in action in France. Prior to enlistment he was with Mr. William Carter, chemist and druggist, Oswestry.

VENABLES.—Private Herbert Venables died on November 15 of wounds received on service, aged twenty. Prior to enlistment he was with his brother, Mr. Fred Venables, chemist and druggist, King Street, Hammersmith, London, W., who has lost two brothers by death in France in six weeks.

Personalities.

MR. JOHN BIRKETT, Ph.C., ex-Mayor of Morecambe, has been elected Deputy-Mayor of the borough.

COUNCILLOR J. V. MAINPRIZE, chemist and druggist, Bridlington, has been elected a member of the Education Committee for the borough.

MR. A. C. BINGHAM, York Road, St. Anne's-on-the-Sea, senior representative of Robinson & Sons, Ltd., Chesterfield, who has been dangerously ill with pneumonia, is reported convalescent and on the high road to recovery.

MR. C. F. X. PINTO, chemist and druggist, has been appointed lecturer in pharmacy at the Ceylon Medical College. Mr. Pinto was a student at the London College of Pharmacy, and passed the Minor examination in October 1915.

MR. ARTHUR BERTON (Arthur Berton, Ltd.), who has been an Estate Governor of Allyn's College of God's Gift, Dulwich, for many years, has been reappointed by that body as a Representative Governor of the Central Foundation Schools of London for a further term of three years.

MR. JOHN MORGAN RICHARDS was, on November 23, entertained to a complimentary dinner at the Imperial Restaurant, London, W., on the occasion of the completion of fifty years' residence in this country. Dr. Page, the American Ambassador, presided, and eulogised Mr. Richards for the good work he has done in this country.

MR. J. G. EVERETT, Ph.C., after managing the x-ray department and the pharmacy for two and a half years in an Anglo-French hospital, and helping with the French wounded in the Meuse district, has returned to England. The special work for which he went to France is now well organised, but Mr. Everett may return to France if his services are needed.

Business Changes.

THE BUSINESS carried on for many years by Mr. L. Davies at Enfield Wash has been purchased by Mr. George F. Corrall.

MR. PARKIN STANLEY BOOTH, of the Association of Manufacturing Chemists, Ltd., has sold the business of A. G. Foster, Ltd., 79 Leigh Road, Leigh-on-Sea, to Mr. W. Outing as from November 10.

THE PHARMACY carried on at 28 Gracechurch Street, London, E.C., under the name of R. Howden, has been removed to 11 Fenchurch Street, near by. The proprietor is Mr. Thomas Coulson, chemist and druggist.

MR. W. STEDMAN, chemist and druggist, for many years managing director of Stedman & Co., Ltd., West Malling, has retired from the management, and is succeeded by Mr. G. Julius Cesar, chemist and druggist, who was in business in North Devon.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

ARMY AND DENTAL SERVICE COMMITTEE.

Our Parliamentary correspondent learns that the Army Dental Service Committee, consisting entirely of members of Parliament, will shortly issue its report regarding the conditions of dental treatment in the Services.

Mr. F. D. Acland's Dentists Act Committee, dealing with the question of cocaine and other matters, is now holding weekly sittings, and met again on November 28 for the purpose of taking evidence.

ANILINE-DYE WORKS.

The Secretary to the Board of Trade stated in the House of Commons on November 26 that the Clayton Aniline Co., Ltd., of Manchester, is owned by the Society of Chemical Industry, of Basle, and he understands that there is some association between the Sandoz Chemical Co., of Switzerland, and H. N. Morris & Co., Ltd. He has no reason to believe that either of the Swiss companies named is under any enemy influence, and both of them have rendered substantial services to the British textile and dyeing industries during the war.

GOVERNMENT CONTROL OF TRADE.

The Special Sub-Committee to the Commercial Committee of the House of Commons, which has been inquiring into the question of the Government control of trade, has issued its report. They consider that the Government erred in not taking the necessary steps at an earlier date to control imports, and urge that such trade or commerce as may be carried on without injury to the Empire's interests shall be conducted through the existing pre-war channels to the utmost limit possible, and with absolute impartiality, and that merchants shall be represented on all Government Committees where their interests are involved and manufacturers are represented.

NATIONAL HEALTH INSURANCE BILL.

The second reading of this Bill (see *C. & D.*, November 24, p. 42) was agreed to in the House of Commons on November 25. Sir Edwin Cornwall, who moved the second reading, explained the provisions of the Bill. He mentioned that in 1916 employers and employed people contributed 18,500,000*l.* and the State contributed 5,000,000*l.* That money was disbursed in that one year as follows: Sickness and disablement benefit, 6,000,000*l.*; medical services, 4,800,000*l.*; maternity benefit, 1,250,000*l.*; sanatoria benefit, 750,000*l.*; administration expenses, 2,250,000*l.*; and balance invested, 8,500,000*l.* It was explained that during nearly six years' working of the National Insurance Act certain defects and complications had shown themselves which required rectification by Parliament. The arrangements necessary owing to the unforeseen higher sickness rate of women were explained and the reason for establishing the new funds. One effect of releasing 1,500,000*l.* annually from the redemption fund as a contribution towards the new funds is that the redemption period (to 1930) established under the 1911 Act, which was extended in 1913 to 1932, is now extended to 1947. The general financial proposals were summarised: Women's ordinary benefits, 280,000*l.*; married women's benefits from the State, 250,000*l.*; contingency fund, of which one-eighth may be called upon for the special risks fund, 1,190,000*l.*; and the central fund from the State, 150,000*l.* An effort is being made to simplify the working of the Insurance Acts. As an example, it was mentioned that the number of sections in the contributions registers kept by approved societies is to be reduced from twenty-three to six, the sections in the arrears column from seventeen to six, and the benefits register from six sections to two. The twenty different rates of contributions will be abolished, and the different values of National Insurance stamps sold at the Pst Office will be reduced from fourteen to three. The payment of contributions in a lump sum by the Navy and Army on behalf of sailors and soldiers is to be the statutory method in future. In regard to Clause 31, dealing with doctors removed from the panel, the amendment enables the Commissioners to remove a doctor from all panels if he has been removed from one panel. Power is also given to restore a doctor if such a course is justified.

TRADE-MARKS.

Sir Richard Cooper asked the Minister of Reconstruction whether, with a view of assisting in the development of the British chemical industry on the conclusion of peace, he will suggest to the Registrar of Trade-marks that he should, at an early date, exercise his powers under Section 35 (3) of the Trade-marks Act, 1905, and apply to the Court for an order expunging from the Register of Trade-

marks the names of articles the patents for which have expired, which names have been retained on the Register after the expiration of the letters patent?

Dr. Addison: I would refer the hon. baronet to the reply given to-day by the President of the Board of Trade to his question on this subject.

Sir R. Cooper asked the President of the Board of Trade whether, seeing that there is no ready and inexpensive method by which the public can ascertain what trade-marks are *publici juris*, he will insert provisions in the Trade-marks Bill which he hopes to introduce shortly under which the Registrar of Trade-marks shall be required to publish annually, or at other intervals, a list of trade-marks which, owing to their removal from the register of trade-marks, or to other causes, have become *publici juris*?

Mr. Wardle: A list of trade-marks which have been cancelled or removed from the register through non-payment of fees or any other cause appears every week in the "Trade-marks Journal," published by the Patent Office. Information as to the position of any particular mark can be obtained on application to the Patent Office. How far the proprietors of trade-marks removed from the register have lost all common law rights and the marks have become *publici juris* can only be determined in a Court of law, having regard to the circumstances of each particular case.

Sir R. Cooper asked the President of the Board of Trade whether he is aware that by the rules drawn up under the Trade-marks (Temporary Rules) Act, 1914, the person applying for the avoidance or suspension of registered trade-marks, including those that are the names of articles the patents for which have expired, must prove that he intends manufacturing, or causing to be manufactured, the goods in respect of which the trade-mark is registered, also that chemical manufacturers are handicapped, owing to difficulties created by the war, in extending their works and taking up new manufactures; and whether, on this account, he will consider the advisability, in the public interest, of instructing the Registrar of Trade-marks to exercise his powers under Section 35 (3) of the Trade-marks Act, 1905, and apply to the Court for an order expunging from the Register of Trade-marks the names of articles the patents for which have expired, which names have been retained on the register after the expiration of the letters patent?

Mr. Wardle: The effect of the rules under the Temporary Rules Act is correctly stated by the hon. baronet. I am advised that Section 35 (3) only gives power to the Registrar to apply to the Court in case of fraud; and that it could not be appropriately employed to effect the removal of the marks referred to. It is open to anyone, however, who is aggrieved by any entry wrongly remaining on the register to apply to the Court for removal of the mark under Section 35 (1). As my hon. friend will be aware, there are provisions in the new Trade-marks Bill dealing with the removal from the register of word trade-marks which are used as the names of articles.

Sir R. Cooper asked the Comptroller of the Household, as representing the National Health Insurance Commissioners, whether he is aware that in connection with the supply of drugs under the Medical Benefit of the National Insurance Act many Insurance Committees have issued instructions to medical practitioners and chemists on the panels to abstain respectively from prescribing and dispensing drugs under names which, on account of their being registered as trade-marks for articles the patents for which have expired, cause the drugs bearing the names referred to to be sold at a higher price than when such drugs are sold under a name which is not registered as a trade-mark; and, seeing that medical practitioners generally employ the drugs under the name by which these were first introduced, and under which they were known during the continuance of the letters patent, he will cause instructions to be issued to Insurance Committees directing their attention to the fact that the names of patented articles become *publici juris* on the expiry of the letters patent?

Sir E. Cornwall: My hon. friend would appear to be under some misapprehension as regards practice for National Health Insurance, and I can only refer him to the suggestion made by me on November 12, in answer to his question of that date, that he should furnish me with particulars of the circumstances which he has in mind in order that I may have the necessary inquiries made.

MR. RICHARD MUNTON PRATT, East View Terrace, Otley, retired chemist, who died on August 14, left estate of the gross value of 14,123*l.* 17*s.* 10*d.*, of which 13,590*l.* 1*s.* 4*d.* is net personality.

MR. HAROLD FREDERICK MAUNDER, analytical chemist, 110 Stackpool Road, Southville, Bristol, who died on August 22, left estate valued at 3,764*l.* 17*s.* 6*d.* gross, with net personality 3,408*l.* 10*s.* 8*d.*

Insurance Act Dispensing.

Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Birmingham.—The monthly meeting of the Pharmaceutical Committee was held on November 20, when it was intimated that prescriptions written under the extension of Medical Benefit to invalided soldiers and sailors would be upon the regular Insurance prescription forms. It was decided to call a panel meeting of chemists on November 28, and to recommend a continuance of service during 1918 under the new Tariff terms. A deputation was formed to wait upon the Insurance and Panel Committees and to decide upon the action to be taken in reference to the deleted pharmacopoeial preparations containing sugar and glycerin. One addition to the panel of chemists was reported.

Dorset.—At a meeting of the panel chemists of the county, held at Dorchester on November 23, it was unanimously resolved, after a full discussion, to accept the dispensing terms for 1918, and the Secretary of the Pharmaceutical Committee was instructed to advise the Insurance Committee that the Tariff would be accepted subject to the continuance of the present local arrangements, including late fees, no stock mixtures to be recognised, and *aq. dest.* to be used and paid for when "*aqua*" is indicated on prescriptions.

Essex.—The Pharmaceutical Committee met on November 22, and decided to recommend the new Tariff for acceptance by the county panel chemists. A circular is to be issued directing attention to the new features of the scheme, and pharmacists are asked to send their signed views to the Secretary. It was resolved to send to each panel chemist a copy of the B.P.C. Addendum ("*W.E.F.*"), as Insurance prescriptions are to be priced on that Formulary after December 1. The reports of the Checking Bureau were received and adopted. The difficulty of maintaining a panel service at Harwich was discussed, and Mr. Bevan was thanked for giving a service under trying conditions.

Leeds.—A meeting of panel chemists of Leeds was held on November 23, under the chairmanship of Mr. F. Pilkington Sargeant, to consider the continuance of service under the National Health Insurance Act for 1918. After discussion it was decided to accept the new terms. The British Pharmaceutical Codex Addendum was considered, and it was stated that a local agreement has been reached and will operate as from December 1. A vote of thanks was awarded Mr. Sargeant for his labours in connection with the Tariff and his work generally for pharmacists.

Liverpool.—A meeting of panel chemists was held at the Royal Institution, Colquitt Street, Liverpool, on November 21. Mr. W. H. Clubb occupied the chair. A report of the negotiations between the Pharmaceutical Society and the Commissioners was read, and the concessions offered by the Commissioners were discussed. The Chairman pointed out that although the demands of the Pharmaceutical Society had not been granted in the form they had wished, yet the Commissioners had conceded what amounted substantially to the same thing, and consequently he thought the chemists ought to be satisfied with the result. He would have preferred a permanent advance made to the dispensing-fees instead of the addition offered as a war measure, as he doubted if business-expenses would ever become less in the future. Mr. F. Pilkington Sargeant said that he considered the percentage of increase quite a satisfactory one, both for drugs and appliances, and believed that any reduction of remuneration in the future would be most unlikely—that, although the advance was termed a war measure, there was every likelihood of it remaining permanently. Mr. W. H. Clubb announced that the Pharmaceutical Committee proposed to send a copy of the B.P.C. Addendum (War Emergency Formulary) to each panel chemist. He then formally moved that the terms suggested for 1918 be accepted, and this was agreed to unanimously.

London Co.—A special meeting of London panel chemists was held at 17 Bloomsbury Square on November 22. The Chairman of the Pharmaceutical Committee (Mr. G. W. Hatfield) presided and briefly referred to the fact that the terms for 1918, now submitted after negotiation with the Commissioners, were not the same as those recommended by the Local Associations Executive at the previous meeting of London panel chemists held on August 14, therefore this special meeting had been called to discuss the new terms. He stated that the representatives, Messrs. G. B. Barnard, A. R. Melhuish, and E. Skues, appointed by the last meeting

were present, and he would call upon them to explain the new terms and give an account of their stewardship. Mr. Barnard gave a *résumé* of the position and particulars of the action taken at the various meetings of delegates. He explained many details of the new Tariff and suggested that chemists should continue on the panel for 1918. Mr. Melhuish and Mr. Skues reported in similar terms. Mr. A. H. Jenkin then gave a lucid explanation of the steps taken which led up to the negotiations with the Commissioners. He also gave some details of the negotiations and advocated strongly the necessity for unity amongst chemists. Amongst those who took part in the discussion were Messrs. Shirliff, Wigginton, Greatrex, Elwell, Ward, Rubbra, Knight, Keith, Wilkinson, and Edwards, and the following resolution was proposed by Mr. Shirliff, seconded by Mr. Wigginton, and carried: "That in view of the present circumstances, this meeting of London panel chemists accepts the new Tariff terms offered by the Commissioners and advises chemists to continue on the panel for the year 1918." A hearty vote of thanks was accorded to the London delegates for the able and faithful way they had carried out their duties on behalf of London panel chemists. Thanks to the Chairman for presiding and to the Pharmaceutical Society for the use of the room terminated the proceedings.

Sheffield.—A meeting of panel chemists was held in the Literary and Philosophical Society's rooms on November 22. Mr. Culverhouse presided, and reported on the work of the London Conference, pointing out that the 0.45% addition would mean a gain to Sheffield chemists of at least 750%. The L.A.E. had assured the Pharmaceutical Committee that a fee of 1.55% would be paid for each article on an order for appliances. Mr. J. T. Appleton advocated the payment of travelling-expenses of members of Pharmaceutical Committees in large and scattered areas, and also urged that, in the interests of pharmacists, an expert should be available on each pricing bureau. The meeting accepted the Tariff for 1918, and thanked the L.A.E. for its work in connection with the matter and the Pharmaceutical Committee for the work done during the year. The working of the War Emergency Formulary awaits the reply of the Panel Committee. Mr. J. T. Appleton was thanked for his services, on behalf of panel chemists, on the Insurance Committee.

Southend.—The Pharmaceutical Committee met at 167 High Street on November 22, Mr. S. F. Body presiding, when it was resolved to advise panel chemists to accept the agreement for 1918. In accordance with a joint letter from the British Medical Association and the Pharmaceutical Society it was decided to ask the Insurance and Panel Committees to adopt the "War Emergency Formulary" for Insurance dispensing. A suggested list of prices for homeopathic dispensing was approved. The report of the Central Checking Bureau on the April, May, and June prescriptions was read, and members commented on the high standard of accuracy maintained by the Pricing Bureau. It was resolved to supply panel chemists with copies of the "War Emergency Formulary."

Wolverhampton.—A meeting of panel chemists was held at the Victoria Hotel on November 21, Mr. F. J. Gibson, J.P., presiding, when the dispensing terms for 1918 were accepted. A unanimous vote of thanks was passed to Mr. Neathercoat and the deputation. The report of the Checking Bureau was received. The Secretary was instructed to inform the Insurance Committee that the agreement as to "repeats" is not being adhered to in such matters as dating, specifying quantities, and limiting each "script" to one prescription.

WALES.

Cardiff.—At a meeting of panel chemists held at the Angel Hotel on November 22, Messrs. Hagon and Joseph reported on the work of the L.A.E., and after considerable discussion, in which the opinion was expressed that the remuneration offered was insufficient, it was resolved to accept the Tariff for 1918, pointing out the desirability of the Commissioners supporting the retention of the staff which has been accepted as the minimum number of pharmacists and assistants to ensure adequate service to the public.

Merthyr Tydfil.—At a meeting of the Pharmaceutical Committee on November 21, at Pest Office Buildings, Merthyr, it was decided to advise panel chemists to accept the 1918 dispensing terms. The Central Checking Bureau's scrutiny of scripts for June, July, and August was very satisfactory, showing a difference of only 1s. 5d. between the figures of the local checker and those of the Bureau. Alderman R. P. Rees stated that the Insurance Committee had passed and recorded a vote of thanks to the local chemists for the efficiency of their service, not a single complaint in this respect having been received since the Insurance Act came into operation.

General Medical Council.

THE General Medical Council opened their 106th session on November 27 in their premises in Hallam Street, W. Few changes have occurred in the *personnel* of the Council, and the roll revealed the absence only of Dr. Symington, who had been taken suddenly ill. Two members have retired, Dr. Saundby from the representation of the University of Birmingham, and Dr. Wilks from that of the Society of Apothecaries, London. The former had served thirteen years, and the tribute paid by the President to Dr. Saundby's judgment, experience, and high sense of professional honour evoked applause. Mr. Harry Gilbert Barling, C.B., F.R.C.S., Vice-Chancellor of the University, introduced by Dr. Langley Browne, succeeds Dr. Saundby and assumes his mantle of khaki, he being a lieutenant-colonel. Mr. Meredith Townsend, M.R.C., L.S.A., was introduced by Dr. Norman Moore as the representative of the Society of Apothecaries. A baronetcy has been conferred upon the Junior Treasurer of the Council, Sir Frederick Taylor, President R.C.P., and Colonel David Hepburn has been made a C.M.G. The older members in particular heard with regret of the sudden death of Sir David McVail. He was the Crown member for Scotland for twenty years, and the independence of his opinions, which he held tenaciously and expressed in broad Scotch, and his lively pugnacity, gave zest to many a dull debate, and are still missed, though he retired five years ago.

The President in his address dwelt on the serious depletion of the medical profession caused by the war. The question of the supply and distribution of qualified dentists for civil and military purposes had been pressed on the authorities by the British Dental Association and by the President, with the result that a Dental Service Committee had been set up to advise Tribunals in respect of the exemption of dentists. In regard to the use of glycerin and sugar, the President said:

"On representations from the Home Office regarding the urgent necessity of conserving the national supplies of glycerin and sugar, it became the duty of the Pharmaceutical Committee to exercise the powers delegated to it by the Council at the last session. After careful consideration, it appeared that the Government's request for prompt action could not be met otherwise than by the immediate withdrawal of the official directions for the preparation of certain pharmacopoeial compounds, containing appreciable amounts of glycerin or sugar. Time was not allowed to the Committee to devise officially sanctioned alternatives. Practitioners had thus to be left free to prescribe, instead of the medicines hitherto official, any substitutes they might deem therapeutically equivalent, and pharmacists to apply their professional skill in suggesting suitable vehicles and adjuvants for compounding these. The proper notices for the alteration in this sense of the 'British Pharmacopoeia, 1914,' were accordingly adopted unanimously by the Committee, and published on behalf of the Council in the 'Gazettes' of London, Edinburgh, and Dublin in July 1917. There is evidence that the steps taken had the desired effect of speedily reducing the consumption of glycerin and sugar for pharmaceutical purposes. In the interest of general uniformity in compounding preparations no longer official, the Pharmaceutical Society of Great Britain has this month issued, for the use of prescribers and dispensers, a 'formulary of suitable recipes for these preparations. Further experience may suggest modifications of the formulae; but a useful purpose is served by their publication at the present time. Meanwhile practitioners will sensibly assist the authorities in charge of our supplies, if they refrain from prescribing glycerin or sugar whenever an approved substitute is admissible for purposes of treatment."

In concluding, the President, referring to the penal case of alleged laxity in the granting of medical certificates, said that several other cases of doubtful or irregular certification had been reported by Tribunals, but, as there was no evidence of culpable carelessness or bad faith, they had put forward no formal complaints.

DENTAL PRACTITIONERS.

Professor Thomson brought up the motion of which he had given notice last session, "That steps be taken to promote legislation to secure the election of direct representatives of registered dentists upon the General Medical Council." Mr. Tones seconded the motion. Eventually the following amendment was carried as a substantive motion: "That it would be of advantage to the Council in administering the Dentists Act if provision were made for the appointment on the Council of members representing the dentists' profession."

The Council then went into *camera* to consider

PENAL CASES.

Among the penal cases was that of Reginald Nitch Smith, M.R.C.S., L.R.C.P., 10 New Bond Street, London, W. The charge was that Mr. Smith had sold to a Mrs. Platt at exorbitant prices at frequent intervals, and otherwise than as a medicine, large quantities of heroin, and, know-

ing that she had formed the drug-habit, continued so to supply her to her moral and physical detriment (see *C. & D.*, August 4, p. 35, and September 8, p. 36). He had also sold it to her for an officer and men contrary to Defence of the Realm Regulations and of the Order of the Army Council. The complainant was Lieutenant Platt, now in France, husband of the lady. Both parties were represented by K.C.s. Mrs. Platt, counsel for the complainant stated, went to Mr. Smith and asked him to prescribe heroin for her on account of sleeplessness, as she could not get it without a doctor's prescription. Mr. Smith gave her one prescription, complying with the regulations; afterwards, however, he let her have the drug when she sent a cheque and a messenger boy—first, two tubes a week, and increasing to four dozen. The price was 1s. or 1s. 3d. a tube, but the doctor charged at the rate of 5s. for twelve. He asked her what she was doing with so much of the drug, and she said what was not true, that she sent some to her husband and his men in France, where they could not get it. Mr. R. W. Rees, trading as Edward Pritchard, chemist, 10 Vigo Street, gave evidence as to the quantity of heroin supplied to Dr. Smith, an amount which no other doctor ordered; he did not sell it at all to the public. Mr. Edward Whincray, of Lowe & Co., was also examined as a witness. Mr. Smith, the accused, also gave evidence, but the case was not concluded on Wednesday.

Trade Notes.

SNOWFIRE TABLET is an application for chapped hands which meets with great acceptance at the present season. It is a preparation of F. W. Hampshire & Co., Ltd., Riverside Works, Derby.

POCKET INHALER.—A good idea for winter sale is shown on Maw's Page this week. It takes the form of a pocket inhaler supplied complete with a bottle of compound inhalant, the two being nicely packed in a box.

THE FIRST CALENDAR FOR 1918 which we have received is that sent out by Howards & Sons, Ltd., Ilford. It is a wall-calendar, and has upon it an excellent bird's-eye view of the Ilford establishment of the company. The calendar is in the form of a monthly tear-off.

"WINGED LION" HERBS.—The retail price of "Winged Lion" herbs in packets is to be advanced to 1½d. per packet on and after December 1. Potter & Clarke, Ltd., 60/64 Artillery Lane, London, E., who pack the herbs, supply new price-tickets to this effect for use in the shop.

FUMO-TARACINE.—The Coal By-Products Co., Holborn House, 112 High Holborn, London, W.C. 1, are placing on the market a vaporising liquid under the name of fumo-taracine, which is employed in the treatment by fumigation of asthma, whooping-cough, etc. Each bottle is sent out with a tin vaporiser.

FIRST-AID CUPBOARDS.—Southall Bros. & Barclay, Ltd., Birmingham, have issued a special circular (folio size) giving particulars of the Government Order which comes in force on December 1 regarding the provision of first-aid equipments at factories (*C. & D.*, November 10, p. 44). The circular gives the official requirements and full particulars about the first-aid cupboards and appliances which fulfil the conditions of the Order.

THE USE OF COCOA in place of other beverages is being urged at the present time by the Ministry of Food. It is therefore an opportunity for chemists to push the sale of cocoas of good quality in place of tea, which is dearer and the supply erratic. Cadbury Brothers, Bournville, Birmingham, send us samples of Bournville cocoa, Cadbury's cocoa essence, and Cadbury's cocoa-and-milk powder, which fill the specifications of quality required for chemists' trade.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

188/49. Brilliant green: actual makers.	198/32. Swin's "Bristol" green-ginger wine.
192/44. Hoof End manicure-sticks, mother o' pearl makers.	198/55. "Salisbury" feeders.
197/11. "Respirine" asthma-powders.	198/58. "Waldo" dental preparations (Strand Chemical Co.).
198/59. "Salubris" water.	197/41. Walker's prophylactic-tubes.

Observations and Reflections.

By Xrayser II.

Your Proposal of a Concession

to undergraduates in pharmacy will not, I hope, be taken as opposed to Mr. Skinner's declaration that we cannot admit men "by the back door." That was, I presume, said with reference to outsiders, not to those actual students of pharmacy whose career has been interrupted by the call of their country. Every generous sentiment will respond to your plea for them. The course of preparation you suggest would amply meet their case and ensure their practical competence for carrying on the business of a pharmacist. The admission of apothecaries' assistants in a similar way is another question entirely, and one that must be argued on its merits. Mr. Skinner will perhaps expound his view of it a little more fully than he has hitherto done.

The Codex Addendum.

Like the Codex itself, has been pretty well peppered with criticisms, and neither it nor the manner in which it has been advertised reflects much credit on the Society. That the setters-up of even a "prospective standard" of drugs should sanction the use of names that are in themselves fraudulent is hardly decent, and that they should put it forth under such misrepresentations as they are charged with by members of their own Committees is much less so. Probably the whole business is a mere muddle, and muddling is not a crime, though in effect it is often something worse. However, we are used to it, as the man said of his wife's temper. But who is responsible for this particular muddle? Who summons Committees? I thought we had several Secretaries, or at least part-time Secretaries.

Mr. Stephenson

injured his fine address to the Edinburgh Districts Trade Association by attempting a distinction between trade and business. Of course the two words have different connotations, and in modern usage the former has often a more restricted meaning than the other, but virtually, as applied to pharmacy, there is no real difference between the two. When Sam Weller at Eatanswill cried, "Success to the mayor, and may he never desert the nail and sarsapan business by vich he got his money," his meaning was precisely the same as if instead of "business" he had said "trade," and so it would have been had the mayor been a pharmacist instead of an ironmonger. Even Lord Denman's dictum that "every trade is a business, but every business is not a trade," has no application to our calling, of every department of which buying and selling is a feature. What everyone interested in the ethics of business should strive for is not the belittling of the idea of trade, but its elevation into something higher than mere gain-getting; and as this was evidently Mr. Stephenson's object, it was a mistake to begin with a distinction which if it had any force would tend the other way.

Mr. Hugo Wolff's Stirring Address

to the Leeds Chemists' Association ought to be read and pondered by all pharmacists; and any reader who does not at once see eye to eye with Mr. Wolff will at least agree that, in argument with Mr. Sargeant, Mr. Wolff holds the field all along the line. The recent overruling of the London Tariff proposals by a meeting representing a very much smaller number of panel chemists might, says Mr. Sargeant, have happened anywhere with our present organisation—as if that very fact were not the strongest possible condemnation of our organisation; again, the impossibility of any one set of traders combating the co-operative menace is advanced as a reason why the Progressive Pharmacy Club should not try to influence opinion on the subject; and the Middlesex check is pooh-poohed because in Middlesex patents are allowed—as if the checking bureau were responsible for that. Mr. Sargeant, I notice, reiterates the charge of hostility on the part of the Club to the Society, the evidence alleged being the pamphlets issued

by the Club, in which I venture to say that no attack, "oblique" or otherwise, on any officials of the Society is discoverable by an unprejudiced eye, unless it be the word "progressive" in the title of the series. If the demand for a more effective organisation of the trade than the Society can afford us meets with no more reasonable opposition than this, the battle should be as good as won.

The Mountain Town of Catanzaro.

in the extreme south of Italy, though not much visited by the ordinary tourist, seems to have almost unique attractions in the beauty of its situation and its hospitality to strangers (celebrated by Lenormant), and to be in many respects a place of note. But nothing in it moved the late George Gissing to more eloquence than the "wonderful pharmacy" he found there, of which he gives a description in his delightful book "By the Ionian Sea." "Imagine," he says, "a spacious shop, well proportioned, perfectly contrived, and throughout fitted with woodwork copied from the best examples of old Italian carving. Seeking pill or potion, one finds oneself in a museum of art, where it would be easy to spend an hour in studying the counter, the shelves, the ceiling." He speaks with equal enthusiasm of the pharmacists, two brothers, who carry on business there, and especially of their pride in the beauty of the shop. One of them asked whether it at all resembled the pharmacies of London, and Gissing says the answer truth compelled him to give left the querist without any desire to visit our metropolitan city. The entrance to this Italian temple of pharmacy is surmounted by "a sort of griffin" in wrought iron, a copy of an old masterpiece. The use of this fabulous animal as a pharmacist's symbol is perhaps due to its association with certain precious stones of supposed medicinal and magical virtue. The emerald was said to be found in its nest, and the jasper too was under its care; indeed, it was the guardian of many hid treasures and of gold-mines. In heraldry it signified watchfulness, courage, and swiftness, qualities very desirable in the pharmacist.

The Poet Keats,

as we know, was an apothecary, and was taunted by his first critics with his gallipots, but according to Sir Sidney Colvin's new "Life" of the poet he ought not to have been admitted to practise. He was born in October 1795, apprenticed to Mr. Hammond, surgeon and apothecary, Edmonton, late in the summer of 1811, but released from his apprenticeship in the autumn of 1815, a year short of the statutory term. On October 1 of the same year he was entered as a six-months' student at Guy's Hospital, and at the close of this term for a further period of twelve months. He went up for examination at Apothecaries' Hall in the July of 1816, passed with credit, and received a licence to practise, thanks, says one of his fellow-students, to his knowledge of Latin rather than to his acquaintance with medicine. Be this as it may, he was not eligible for examination under the Apothecaries Act, since he was not fully twenty-one years of age, and had not served a five-years' apprenticeship. He continued his studies at Guy's until March 1817, when he abandoned physic for poetry, to the great gain of the world. He is reported to have been an indifferent apprentice, but to have given satisfaction at the hospital, both as a student and as a dresser and assistant at operations. His heart, however, was never in his work, and he shrank from the "practical responsibilities of the profession." I do not know what the examination was like in his day, but he cannot possibly have fulfilled the conditions laid down in Meade's "Manual," some twenty years later, with regard either to lectures or to practice.

A VISITOR TO THE METROPOLIS is quoted in the "Daily News" as remarking: "What has struck me particularly is the politeness one receives in chemists' shops. I have had occasion to go to a number of chemists' shops for an article which it is not easy to procure just now, and I have been very much struck by the kind and courteous way in which they have all tried to assist me."

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Editorial Articles.

Financing the War.

ON the outbreak of war an astonishing wave of economy passed over the country, the nation realising without any prompting that no unnecessary purchases should be made. This instinctive effort at saving shows that the man-in-the-street knew that saving of money helps towards attaining the object of the war. Since the time referred to several war loans for large amounts have been raised in this country, and many successful schemes having for their object the promotion of economy have been evolved. The expense of the war is now on such a huge scale that it staggers the imagination that such sums can be raised month by month. The financial stability of the country has, however, been amply demonstrated, and if the effort to save money is continued, and investments are made in national securities, there is no fear that the Empire will be able to find all the money needed to continue the war until criminal Germany and her dupes have been effectively punished. The new idea in investments which has been rendered necessary by the demands of the war is to invest small amounts frequently instead of accumulating comparatively large sums before looking round for suitable investments. The War Savings Certificate scheme founded on this principle has been a tremendous success, but as the amount which can be held in this way is limited, the National War Bonds scheme has been started. These bonds are obtainable through the Bank of England (or any banker or stockbroker) in denominations of 50l., 100l., 200l., 500l., 1,000l., and 5,000l., or through the Post Office in denominations of 5l., 20l., and 50l. The bonds bear interest at 5 per cent., payable on April 1 and October 1, and they are redeemable at a premium in 1922, 1924, or 1927. The problem now before the country is to increase the weekly purchases of these bonds so that the war can be adequately financed. The more money saved the better will the financial condition of the country be at the end of the war.

New Patents and Trade-marks Bills.

THE reform of the patents and trade-marks laws of this country has through various circumstances become urgent even during war-time, when domestic legislation has been largely suspended. It will be remembered that before the war it had been found that the sections of the Patents Act, 1907, dealing with compulsory licences and the revocation of patents not worked in this country, had been shown to be unworkable, and that the Select Committee on Patent Medicines recommended in 1914 that "fancy names for recognised drugs be subject to regulation," it being further suggested that "the period of validity of a name used as a trade-mark for a drug be limited." The outbreak of war led to the passing of the Patents and Trade-marks (Temporary Rules) Acts, and the hearing of the applications under these Rules brought out the extent to which Germans had abused the patent and trade-mark laws of this country. We claim also to have shown the disadvantages to which the chemical-trade is subject through the German trick of registering a trade-mark for a patented article in the hope that English chemists would not incur the expense of fighting for their rights in the courts. Sir Richard Cooper, in a series of questions in the House of Commons, brought out the main points of this abuse of British laws by Germans, and he was successful in obtaining an assurance that the matter was being given attention by the Government. Last week the President of the Board of Trade introduced a Patents and Designs Bill and a Trade-marks Bill which have since been printed and are obtainable from the Stationery Office. The Patents and Designs Bill contains twenty-one clauses. The first clause, with fourteen sub-clauses, is to be substituted for Section 27 of the Patents and Designs Act, 1907, which deals with the revocation of patents worked outside the United Kingdom or, as the rubric puts it, "for the prevention of abuse of monopoly rights." Clause 2 is in substitution of Section 24 of the principal Act, and is calculated to restore the intentions of the legislation in regard to the granting of compulsory licences. Clause 6 extends the duration of patents to fifteen years, and adds a year to the life of all patents in force. The term may by Order in Council be extended to sixteen years if it can be shown that that term of years conduces to the uniformity of patents in force in various countries. Clause 7 gives power to extend the time for presenting a petition for extending the term of a patent if it can be shown that the omission was attributable to circumstances connected with the war, but the subjects of foreign States at war with this country cannot plead losses due to war in their claim for extension. The most interesting clause is probably the following (Clause 11, to be added after Section 38 of the principal Act):

38A. In the case of inventions relating to articles or substances prepared or produced by chemical processes, or intended for food or for medicinal or surgical purposes, the specification shall not include claims for the product, substance, or article itself, but only for the special methods or processes of manufacture; and in the case of any patent for an invention intended for or capable of being used for the production of food or medicine or surgical appliances, the Comptroller shall, unless he sees good reason to the contrary, grant to any person applying for the same, a licence limited to the use of the patented method or process for the purposes of the preparation or production of food, medicine, or surgical appliances, but not otherwise; and with a view to making the food, medicine, or surgical appliance available for the public at the lowest possible price, the Comptroller, in settling the terms of such a licence, shall fix the royalty or other consideration payable at such an amount as will secure to the patentee the minimum profit consistent with his deriving a reasonable advantage from his patent rights.

Any decision of the Comptroller under this section shall be subject to appeal to the court.

(2) This section shall apply only to patents granted after the passing of this Act.

This clause is intended to stop the German practice of charging exorbitant prices for chemicals of the manufacture of which they possess the monopoly either by patent-rights or improperly by means of a registered

trade-mark for an article made from an expired patent. That some such provision is necessary is obvious from the comparison of pre-war prices given below; another well-known instance being the extortionate profits made by a German factory when the manufacture of antipyrine was protected by patent.

Drug with Registered Trade-mark.	Same Drug under Un-registered Name.
Aristol, 4s. 6d. per oz.	Thymol iodide, 9d. per oz.
Chinosol, pure, 1s. 5d. per oz.	Potassium ortho-oxychinolino sulphate, 6d. per oz.
Dermatol, 16s. per lb.	Bismuth subgallate, 6s. per lb.
Euquinine, 4s. 9d. per oz.	Quinine ethyl carbonato, 1s. 8d. per oz.
Ichthyol, 12s. per lb.	Ammonium ichthosulphonate, 3s. to 5s. per lb.
Pyramidon, 5s. per oz.	Dimethyl - amino-antipyrin, 9d. per oz.
Veronal, 4s. 6d. per oz.	Diethylbarbituric acid, 11d. per oz.
Xeroform, 20s. per lb.	Bismuth tribromo-phenol, 8s. 3d. per lb.

It will be remembered that this enhancement of prices is the reason why Insurance Committees issue instructions to panel doctors not to order drugs under names which are registered trade-marks. Among the other new provisions in the Bill is a definition of "working on a commercial scale" as applied to patents alleged not to be worked in this country.

The Trade-marks Bill strikes out a new line in that trade-marks are to be divided into two classes, to be known as "Part A" and "Part B" marks. Those in "Part A" are all the marks on the register when the new Bill becomes an Act. "Part B" marks are those registered as having been in *bonâ-fide* use in the United Kingdom for not less than three years to distinguish goods from other manufactures, etc., and registration is to be *primâ-facie* evidence of exclusive right to use the mark, but no injunction against an alleged infringer of the mark is to be granted if it is shown that the use of which the plaintiff complains is not calculated to deceive. Part II. of the Bill contains far-reaching provisions for the prevention of abuses of trade-marks, and is an attempt to carry out the recommendation of the Select Committee on Patent Medicines:

7.—(1) If the proprietor of a word trade-mark registered after the passing of this Act, whether under the principal Act or Part I. of this Act, by advertisement or otherwise so acts as to lead to the general use by the public of the word so registered as the name or general description of any article or type of article, and not as denoting or connoting an article or type of article made, sold, certified, dealt with, or offered for sale, by himself, the trade-mark shall, notwithstanding the provisions of section forty-one of the principal Act, on the application of any person aggrieved, be removed by the court from the register of trade-marks.

(2) At any time after the expiration of four years from the passing of this Act, and notwithstanding the provisions of section forty-one of the principal Act, any word trade-mark registered under the principal Act before the passing of this Act which is generally used by the public in the manner mentioned in the last preceding sub-section may, upon the application of any person aggrieved, be removed by the court from the register:

Provided that the court, if satisfied that since the passing of this Act the proprietor of such word trade-mark has not by advertisement or otherwise encouraged and has taken all reasonable steps to prevent such user, may, instead of removing such word trade-mark from the register, order it to be entered in Part B of the register either alone or with such modifications and additions as to the court may seem just, having regard to the steps taken by the owner to cause such word trade-mark to be used solely for the purpose of distinguishing the goods of the proprietor of the trade-mark from those of other persons.

(3) The power to remove a trade-mark from the register conferred by this section shall be in addition to and not in derogation of any other powers of the court in respect of the removal of trade-marks from the register.

(4) The provisions contained in Part III. of this Act authorising applications for the rectification of the register to be made in the first instance to the registrar instead of to the court shall apply to applications under this section.

Post-War Imports and Exports.

IN our issue of November 3 (p. 43) we dealt with some of the irksome conditions under which merchants are trading as the result of Government interference, and also indicated what line of action was proposed to be taken. Since then there has been a further development by the introduction into Parliament of Sir Albert Stanley's Bill to give the Board of Trade power to regulate and control imports and exports for a period of three years after the war (see *C. & D.*, November 17, p. 50, and November 24, p. 40). This Bill is shortly to be read a second time. Meanwhile strong opposition has been aroused in commercial quarters in the City and elsewhere—e.g., members of the London Commercial Sale Rooms, Mincing Lane, on November 26, after discussion, almost unanimously passed the following resolution:

"That this meeting of merchants, brokers, and others connected with Mincing Lane is strongly opposed to the continuation after the war of the Government's control of trading; and it declares that the best interests of the Empire require that the ordinary channels of business should be resumed with the least possible delay."

The Swansea Chamber of Commerce have also protested strongly against the proposals, their idea being that the present restrictions and limitations should be removed as early as possible after the conclusion of peace, and that no period of time for control after the war should be decided until the views of traders were first ascertained. In other quarters there is a growing feeling against the extension of the present wide powers wielded by the Government in regard to restrictions, rationing, licensing, and so on, for so long a term as three years, it being felt that the blight of bureaucracy on trade would then become more firmly established than ever. It would, of course, not be desirable that the power of controlling imports and exports should be allowed to lapse immediately hostilities cease, as it will still be necessary for shipping tonnage to be allocated by the Government according to priority of need. The shortage of food will continue long after the war, and we understand that the principal object of the Bill is to see that the necessities of life will have after the war the first claim on shipping, as is the case now. This, however, might be done in a modified form by the Shipping Controller, and in a manner that would gradually restore freedom of trade. The whole question bristles with complexities, and nobody is likely to be completely satisfied. It may well be that on the conclusion of peace the country will be on food rations, and it is no doubt the intention of the Government to ration supplies of raw materials also.

The Sale of Venereal Remedies.

OUR post-bag has been much swollen this week by inquiries in regard to a statement in the "Pharmaceutical Journal" that sandal-oil capsules, etc., cannot be sold in scheduled areas "without constructively bringing the transaction within the definition of treatment given in Section 1 (1) of the Venereal Disease Act." We do not know exactly what is meant by "constructively bringing the transaction, etc.," but readers of our contemporary who live in scheduled areas, and who have written to us, read it that they cannot sell sandal-oil capsules, etc., over the counter without incurring the risk of prosecution under the Venereal Disease Act. We are asked to say something further on the matter. It is, however, a matter for a Court to decide: we can only give our version of the meaning of Section 1. The offences enumerated in the Venereal Disease Act, Section 1 (1), and which can be committed by persons who are not qualified medical practitioners and who accept reward, are

- (1) treating any person for venereal disease;
- (2) prescribing any remedy therefor;
- (3) giving any advice in connection with the treatment thereof.

From the plain reading of the section it seems to us, therefore, that if a customer purchases sandal-oil capsules, and the chemist hands the package over without comment, the chemist is not (1) treating, (2) prescribing,

or (3) giving any advice within the meaning of the section. If there is any treating, it is by the person who purchases the medicine; but as the offences are only committed when treating, prescribing, or giving advice is done "for reward either direct or indirect," it can hardly be held that a person who treats himself is doing it for "reward either direct or indirect." As we have remarked, the matter can only be settled by an appeal to the Courts of Law, but our readers may form their own opinions on the matter from a study of the section.

"Nastier Medicines."

THE "Daily Mail" on November 13 published a paragraph under this title regarding the British Pharmaceutical Codex Addendum in which it was implied that that work had an official character akin to that of the British Pharmacopœia. The "Daily Mail" on November 24 printed a reply to the previous communication which puts the matter in a different light, as is shown by the following quotation:

The facts are briefly these: The only book of medicines statutory in this country is the British Pharmacopœia, issued by the General Medical Council, whereas the "W.E.F." medicines referred to in your article appear in an addendum to the British Pharmaceutical Codex, which is an unofficial and non-statutory book, published by the Pharmaceutical Society. Last July the General Medical Council withdrew from the Pharmacopœia certain preparations containing glycerin and sugar. As a result of this action chemists were enabled to omit the glycerin from preparations in which it is not essential, and to supplement their supplies of refined (crystallised) sugar with honey, corn syrup, and other available forms of sugar which are edible, palatable, and in every way suitable for medicinal purposes. Moreover, under the new sugar distribution scheme just started sugar has been allotted to wholesale firms specifically for the manufacture of medicinal preparations. The sugar position, therefore, was fairly satisfactory to all parties concerned, from prescriber to patient, and things were going on quite smoothly. Now the Pharmaceutical Society comes along with its "W.E.F." syrup substitute (a concoction of chloroform-water thickened with gum) to confuse prescribers, displease the public, and bring disrepute upon the chemists. Doctors and patients who dislike "nastier medicines" will avoid the letters "W.E.F."

It is unfortunate, to say the least, that the British Medical Association and the Pharmaceutical Society have combined in the endeavour to foist fraudulent medicines upon insured persons, and it would be interesting now to know who are the real authors of this gem of pharmaceutical literature, it having been shown that the statement in the preface is incorrect.

Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, The Chemist and Druggist, 42 Cannon Street, London, E.C. 4."

QUALITATIVE ANALYSIS.

A MIXTURE of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture will comprise acids and inorganic bases occurring in the British Pharmacopœia, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture of salts (accompanied by a stamped and addressed envelope, not a stamp merely) will be received up to Tuesday, December 11, on which day the samples will be posted. Students' reports will be received up to Saturday, December 22. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

The analysis announced above forms the second exercise in the analytical tournament for the current winter session. The usual monthly first and second prizes in this series of analyses will be awarded only to apprentices or assistants who are preparing for the Qualifying examination of the Pharmaceutical Society of Great Britain or of Ireland, which fact must be attested on their reports.

Associations' Winter Session.

Bedfordshire.—A meeting of the Bedfordshire Pharmacists' Association was held on November 22 at Luton to consider the terms for panel service for 1918. It was unanimously decided to continue on the panel list during the year, and a resolution of thanks to the Executive at London headquarters for the somewhat improved remuneration was also unanimously passed. It was resolved to contribute to the Parliamentary Fund, and Bedfordshire chemists should send in their contributions at once either direct or to the Hon. Secretary at Luton. It was unanimously decided to recommend Bedfordshire pharmacists to adopt the "B. & C. P." minimum-price list for retail sales of drugs and other goods not of a proprietary or semi-proprietary character.

Birmingham.—At a meeting of the Council of the Pharmaceutical Association on November 20, the following officers were elected: *President*, Mr. H. Buckingham; *Vice-Presidents*, Messrs. H. O. Lloyd and J. W. Atkinson; *Hon. Secretary*, Mr. F. Smith; *Treasurer*, Mr. J. Poole; *Librarian*, Mr. F. H. Alcock; *Auditors*, Messrs. W. C. Scott and S. Harris. Five new members and two associates were elected.

Bradford.—The members of the Bradford Pharmacists' Association and their friends, to the number of fifty-six, had an enjoyable social evening on November 21 at Laycock's Temperance Hotel. Mr. R. T. Silson (President) welcomed those present, and the remainder of the evening was spent in whist, followed by supper. The prize-winners were: Gentlemen, Mr. F. W. Appleyard; ladies, Mrs. Hemingway; sealed, Miss Calvert (playing as gentleman) and Mrs. Fanll. Two of the prizes were given by the British Drug Houses, Ltd., and Evans Sons Lescher & Webb, Ltd., the others being provided by the Association.

Cardiff.—The Cardiff Pharmacists' Association met at the Angel Hotel on November 22, Mr. Furnival presiding. A discussion took place on Parliamentary representation, and it was resolved to send a donation of ten guineas to the Parliamentary Fund. It was further proposed by Mr. Hagon, and seconded by Mr. Johnson, that each member give a personal subscription of one guinea and each assistant half a guinea. The following officers were elected: *President*, Mr. J. Murray; *Vice-President*, Mr. A. S. Johnson; *Hon. Secretary*, Mr. Harden; *Assistant Secretary*, Mr. A. J. Harris (who is now serving with the Forces, Mr. G. Edwards being elected to act for him); *Treasurer*, Mr. Furnival; *Auditors*, Messrs. Owen Jenkins and D. Binns; *Committee*, Messrs. Eason, Mogg, Hague, J. A. Jones, and J. D. Jenkins, and Messrs. J. Jones, Hagon, and Joseph (co-opted).

Dorset.—The annual meeting of the Dorset County Pharmacists' Association was held at Dorchester on November 22. The report and balance-sheet were very satisfactory, and it was resolved to send five guineas to the Benevolent Fund and two guineas to the Parliamentary Fund. The officers elected for the ensuing year are: *President*, Mr. H. Ayre (Poole); *Vice-President*, Mr. W. S. N. Merrick (Dorchester); *Treasurer*, Mr. F. Hancock (Weymouth); *Hon. Secretary*, Mr. J. W. Cussons (Dorchester). The "B. & C. P." minimum-price list was adopted. The sugar and glycerin position was discussed, and the meeting concluded with Mr. Merrick's expression of the Association's congratulations to the President on his appointment as Sheriff of the county borough of Poole.

Ealing.—The Ealing and District Pharmacists' Association met at Buol's Restaurant on November 20, Mr. G. Norris (President) in the chair. The Insurance Tariff for 1918 was accepted, although it was considered that the terms are not sufficiently remunerative. Mr. Williams (Acton) was elected to represent the Association on the Middlesex Pharmaceutical Committee, in place of Mr. McKee, resigned. The minimum-price list question was raised, and it was decided to apply for specimen copies of the "B. & C. P." list for inspection by the members. A number of other trade topics were discussed.

Edinburgh.—The opening meeting of the Edinburgh Chemists', Assistants', and Apprentices' Association was held at the Society's House, York Place, on November 21, Mr. James Adamson (President) in the chair. In his opening remarks the President referred to the death of Mr. Peter MacEwan and of Dr. Gordon Sharp, two distinguished members of the Association. The Secretary's report was adopted, and Mr. Adamson gave his Presidential address on *Stepping-stones*, "those agencies in our daily life by the use of which we get to the other side of the many difficulties that beset our path." He instanced home associations, opportunity, books, character, industry, happiness, confidence, and their own Association as the means

by which the young pharmacist can rise to higher things. Mr. Adamson was thanked for his address on the motion of Mr. David Gilmour, Chairman of the Executive of the North British Branch. Miss Margaret Grant Boag then read a paper on *Pharmacy of To-day*, in which she dwelt on the necessity of training in business methods and salesmanship, and advocated the modernisation of the Pharmaceutical Society by securing on the Council a strong majority of young men with progressive ideas. The paper was discussed by Messrs. W. W. Brown, Lemmon, Kelly, Stout, Tainsh, Gilmour, Tait, and Nightingale, and Miss Boag received the thanks of the meeting.

Essex.—The Committee of the County of Essex Association of Pharmacists met in London on November 22, Mr. T. England (President) in the chair, when the Secretary was authorised to approach three firms in respect to their unsatisfactory terms of profit. The responsibility of a chemist for injury caused to his staff through air-raids during their employment was discussed, and it was decided to recommend the members to ascertain their legal position by communicating with their respective insurance companies.

Halifax.—The Halifax and District Chemists' Association met at the Old Cock Hotel, Halifax, on November 19, the President (Mr. A. Taylor) in the chair. The chief business was the consideration of the terms of the Insurance Tariff for 1918, and, after considerable discussion, it was resolved to advise the panel chemists of the area to continue service for the ensuing year. Circular letter P.S. 46 was read to the meeting, and the contents of the "War Emergency Addendum" fully explained. Mr. Percy Swire, Secretary of the Pharmaceutical Committee, related his experiences at the Local Associations Conference at Sheffield and at the Joint Conference in London, and explained the business transacted at these meetings. A hearty vote of thanks was accorded to Mr. Swire for the able manner in which he had guarded the interests of the Association.

Ipswich.—Mr. Chas. Hamson, Hon. Secretary of the East Anglia Federation of Pharmaceutical Associations, writing in reference to the report which was printed in the *C. & D.*, November 17, p. 45, informs us that Mr. Ling's resolution in regard to an alteration of the rural areas regulation which is before the Medical Benefit Sub-Committee of the Norfolk Insurance Committee has not yet been brought before the main Committee.—The annual meeting of the Ipswich Chemists' Association was held at the Y.M.C.A. rooms on November 26, Mr. G. N. Edwards presiding. A vote of condolence was passed with the retiring President (Mr. E. S. Clifton) on the death of his wife. Mr. G. N. Edwards was elected *President* for the ensuing year. Mr. W. H. Stones *Vice-President*, and Messrs. Smalley, Cornell, and Davidson on the *Committee*, with Mr. J. C. Wiggin *Hon. Secretary*. The rules were revised and arrangements for the ensuing session considered.

Irish Assistants.—At a general meeting of the Cork Branch of the Irish Chemists' Assistants' Association, held on November 23, Mr. O'Connor in the chair, the Secretary reported that the members in the employment of a local firm had handed in a month's notice owing to their demand for cessation of day work at 6.30 P.M. each evening being refused. It was mentioned that the majority of the employers had granted this request. It was also pointed out that it is against the regulations of the Shop Hours Act to keep an employé at work from four o'clock in the evening till seven o'clock without half-an-hour for tea.

Lancashire.—A meeting of the North-East Lancashire Chemists' Association was held on November 22, Mr. R. Lord Gifford, J.P., presiding. After discussing the Tariff proposals for 1918, it was decided to accept them. Mr. Gifford, as a member of the Council, deprecated the introduction into the affairs of the Pharmaceutical Society of the personal feelings and aims of individual members. The work of the L.A.E., for instance, was ignorantly attacked and its policy condemned apparently for no other reason than this—that the critics were not on the Committee. He contended that the Executive was the success of recent years. It had worked well, it had worked smoothly, it was well balanced, and it had been carried on with efficiency, yet presumably it must be scrapped because of ignorant criticism. This was no time to indulge in personal rivalries. Everything ought to be for the State, and not for selfishness. They all recognised the good work carried out by their officials, but perhaps they did not sufficiently realise that this labour redounded to the present, and especially the future, credit of the craft. His personal view was that the work now being so unostentatiously done for the Government and the war would be the most fruitful that had ever been accomplished for pharmacy. Why should these suggestions and innuendoes be indulged in when their officers were tied up with their special work and unable to reply?

Lancaster.—A general meeting of the Lancaster and District Pharmacists' Association was held at the Crown Hotel, Morecambe, on November 21. Mr. F. N. Whitehead, Morecambe (the President), was in the chair, and gave an account of the work done at Preston regarding Insurance matters by the County Pharmaceutical Committee, upon which he serves. The Order regarding the restricted sale of diachylon having been referred to, the Secretary dealt with the question of the increasing wholesale prices of proprietaries and the consequent narrowing margin of profit to the retailer. There was a strong feeling that it was time a stand was taken against acting as agents for proprietors of patent medicines who were unwilling to concede sufficient profit for handling their goods, and a resolution was unanimously passed requesting the Lancashire Federation of Pharmacists' Associations to take action in the matter. The resignation of Mr. W. Gorst as Treasurer was announced, he having removed from the district, and Mr. A. Bate, chemist, Market Street, Lancaster (who was in partnership with Mr. Gorst up to his leaving Lancaster), was elected Treasurer. Mr. W. J. Lund was elected a member. Tea was subsequently partaken of, winding up the gathering in a social way.

Lincoln.—At a meeting of the Lincoln Chemists' Association on November 27 the following were elected: *President*, Mr. Geo. Elmitt; *Secretary*, Mr. John Hague, 18 High Street. The same gentlemen also serve in the same capacity on the Pharmaceutical Committee.

London (E.).—The monthly meeting of the West Ham, East Ham, and Metropolitan Essex District Association of Pharmacists was held on November 22, at the Progressive Pharmacy Club, the President in the chair. The following resolution was proposed by Mr. Lloyd, seconded by Mr. Kirkpatrick, and carried unanimously: "That this Association begs to refer the Council to a resolution sent on December 14, 1916, to the Council by the Association, and urges the Council to create a standard of qualification by examination, so that only successful candidates should be allowed to term themselves bacteriologists. Further, to have the pharmacist's qualifying examination so arranged that it may be taken in stages." The Secretary was instructed to forward the resolution to Mr. Woolcock. Mr. Kirkpatrick referred to the Editorial footnote in the "Pharmaceutical Journal" attached to the report of the last meeting, and said that the true position relating to establishments on the East Sussex and West Ham panels was as follows: East Sussex had 97 pharmacies, of which 17 were branches under qualified management, leaving the actual number of names on the panel list at 80. West Ham had 54 pharmacies, of which 10 were branches under qualified management, leaving the actual number of names on panel list at 44. He claimed that these areas selected for the purpose of comparison in the "Pharmaceutical Journal" article of October 15 were not truly representative of the voting powers conferred by the present scheme of organisation when applied to the whole of the constituencies of England and Wales. Mr. Kirkpatrick further stated that in his opinion members of the Pharmaceutical Society only should have power to send delegates to Conferences, and that the voting strength of such delegates should be based upon the number of members of the Society contained in the area represented. He then referred to Mr. White's advocacy of the claim to the title "chemist," and moved "That this Association desires to place on record its appreciation of the valuable services rendered by Edmund White, Esq., President of the Pharmaceutical Society, in upholding the right of pharmacists to the title 'chemist' at the conference with members of the Council of the Institute of Chemistry, and at the Conference recently held in Manchester." This was seconded by Mr. E. N. Lloyd, and, after appreciative remarks by several members present, was carried unanimously, and a copy ordered to be sent to Mr. White.

London (S.W.).—The monthly meeting was held at Balm Assembly Rooms on November 20, Mr. Goy (President) in the chair. About forty members were present to hear a series of addresses by lady members. Miss Borrowman gave a delightful paper on *The Need of a Business Training for Pharmacists*, in which she proved to the hilt the urgent need of commercial training for the student that he might be equipped with knowledge that would help him, whether he embraced the scientific or commercial side of the calling. She spoke hopefully of the future of pharmacy, were the student but imbued with enthusiasm. She said he should be told again and again that living is infinitely better than just existing. Miss Buchanan followed with an equally forcible address upon *Training the Youth from Apprenticeship Up*. She said the whole of the business man's success is based upon strength of imagination, that one should

dream of things that might come to pass, and, basing one's actions on those dreams, things would assuredly happen. Mrs. Irvine then gave "facts and figures," like Josiah Brouderby, in explanation of matters, most interesting to her hearers, punctuating her remarks with scintillations of dry humour characteristic of the Scot. By general consent the meeting was voted the best in the annals of the Association.

"Script" Sports Club.—At the Progressive Pharmacy Club on November 22, the presentation took place of the trophies won in the individual and inter-association bowling competitions held under the auspices of the Script Sports Club. Forty-two bowlers sat down to dinner, after which a number of visitors, including several ladies, increased the attendance to 100. A musical programme had been arranged, Mr. Harold Clapham, presiding at the piano, while the other contributors were Mrs. Beckwith, Miss Widgery, Miss Watson, and Messrs. Widgery, Hamilton, Beckwith, Bowie, Cooper, and Keith. In the interval the Secretary (Mr. J. Hearnle) gave an account of the purposes of the Club and the conditions of the challenges, incidentally mentioning that he hoped to be in the position of announcing a challenge shield for inter-association miniature-rifle shooting competition, to be fired for before February 1 next. He introduced Mr. Alec Nathan, the managing director of Glaxo, who had presented the handsome Glaxo Challenge Cup, and asked him to present the trophies. The first was a pair of bowls, given by the Editor of the "Script" for the individual championship, won by Mr. W. Burgess Dow; the runner-up (Mr. J. M. James) was presented with a silver cigarette-case, presented by Duncan, Flockhart & Co. The third was the Eastern trophy, a challenge bowl, presented to Mr. A. T. Styles for the local championship; and, finally, the Glaxo Challenge Cup for inter-association competition, won by the North London Association, which was handed over to the skipper of their team, Mr. G. Duncan Bowie. Brief speeches were made by the recipients, and a hearty vote of thanks to the donors was accorded.

Sheffield.—A general meeting of the Sheffield Pharmaceutical and Chemical Society was held in the Literary and Philosophical Society's rooms on November 22, the President (Mr. A. H. Culverhouse) in the chair. Mr. F. Burdekin was elected a member of the Society, and Miss Louie Antcliffe an associate. The President, in introducing Mr. W. L. Currie, of Glasgow, to the meeting to give his paper entitled *Business Topics*, pointed out the active part Mr. Currie had taken in pharmaceutical politics since the 'seventies. Mr. Currie, who had a very cordial reception, said the life of a pharmaceutical councillor was not a bed of roses. Since his election to the Council fourteen years ago he had travelled 250,000 miles on pharmaceutical business. A Special Committee had been sitting in London on organisation, and the evidence offered on behalf of the Sheffield Society, he felt, would bring about some form of Divisional Secretaries again for large cities. He did not think the Local Associations Executive Committee was ideal so far as its election went. He thought the Divisional Secretaries should be given duties which brought them in contact with the chemists in their district, thus securing young men to follow on and increasing the membership of the Society. He pointed out that through the splendid organising powers of Mr. Rutherford Hill, Scotland was able to say that 99 per cent. of the chemists there would not accept Insurance service unless they secured their present terms. Mr. Currie went on to give his personal views of how far the Society should deal with trade matters. A great amount of harm would be done if the public gained an impression that they were using their statutory powers to forward ordinary trade interests; but the Society could well take up matters such as Insurance dispensing, and the other Acts which required the protection of those carrying on the business of a chemist and druggist or pharmaceutical chemist. The position of the pharmacist in the Army was dealt with, and the lecturer was not a supporter of the chemist receiving a commission simply because he was a chemist. The country at the present time wanted fighters, not commissions, but he would have no base hospital without a qualified man in charge. He favoured a Pharmaceutical Corps being formed with men properly trained in the various Army requirements. A great deal had been said on territorial representation on the Council. At the present time he believed every part of the country was represented. He thought a system of voting for candidates nominated from each territory would result in the doing away with the undesirable attempt to secure an unduly large proportion of representation from London. The title of "chemist" was also discussed. Mr. White, said the speaker, had exposed the whole position, as the chemist had legally used the title long before some of the other bodies now making claim were in existence. He was sure the

President would be supported in his defence of our rights to the bitter end. Mr. Currie advocated his scheme for a curriculum as propounded in Sheffield nine years ago, and was of opinion that the title of the qualifying examination should be altered as being misleading to the public. He was in favour of including bacteria work as an educational asset. Finally, he denounced the methods of the Progressive Pharmacy Club, which, he said, were opposed to the best traditions of the Pharmaceutical Society and its Council, and were neither fair nor honest. A very full discussion afterwards took place, and Mr. Currie was thanked for his address.

Southeast—The first meeting of the winter session of the South-east-on-Sea Pharmacists' Association was held at 167, High Street on November 22, when Mr. S. F. Body presided, and read the report of the Local Associations Executive Committee on the Tariff negotiations for 1918 service, comparing the terms requested by the Executive with those offered by the Commissioners. After discussion, the report was adopted.

Surrey—At a meeting of the Committee of the Surrey Association of Pharmacists, Mr. W. A. Bowden was appointed *President* and Mr. W. H. Fowler was re-appointed *Secretary*.

November Tariff Prices.

THE following are the alterations for November in the Drug Tariff issued by the National Health Insurance Commissioners for England and Wales:

Lower: Acid. benzoic. (synthetic), 1s. 7d. oz.; acid. salicylic, 11s. lb.; ammon. benz. (artificial), 2s. oz.; ammon. chlor., 1s. 1d. lb.; argent. nit., 3s. 6d. oz.; argent. nit. indur., 3s. 8d. oz.; argent. nit. mitigat., 3s. oz.; argent. proteinat., 1s. 5d. oz.; calc. lact., 12s. 4d. lb.; guaiacol carbonas, 11s. 6d. oz.; naphthol, 11d. oz.; paraff. liq., 2s. 3d. lb.; phenacetin, 6s. 2d. oz.; phenolphthalein, 6s. 8d. oz.; plumbi acetat., 1s. 8d. lb.; pot. carb., 3s. 6d. lb.; resorcinum, 5s. 8d. oz.; sodii benz., 1s. 7d. oz.; strontii bromidum, 6d. oz.; tab. guaiacol. carb., gr. v., 19.68d. per doz.; tab. phenacetin. gr. v., 9.00d. per doz.; tab. phenac. co., B.P.C., 8.64d. per doz.; tab. phenolphthalein. gr. i., 2.58d. per doz.; ditto gr. ii., 4.20d. per doz.; theobrom. et sod. salic., 4s. 9d. oz. Lint, unmedicated, 1 oz., 4.00d.; boric, 1 oz., 2.50d. **Higher:** Acetanilidum, 4s. 9d. lb.; adeps benz., 2s. 3d. lb.; adeps prap., 2s. lb.; aloinum, 6d. oz.; ammon. phosp., 4s. 3d. lb.; aq. camph. conc., 4s. 9d. lb.; bism. carb., 1s. oz.; bism. salicyl., 1s. 7d. oz.; bism. subnit., 15s. 3d. lb.; caffeine, 5s. oz.; caffein. cit., 3s. 8d. oz.; chloral hydras, 1s. 2d. oz.; chloroform. camph. B.P.C., 6s. 8d. lb.; cocain. hydrochlor., 8s. 6d. dr.; conf. senae, 1s. 6d. lb.; conf. sulphuris, 2s. 3d. lb.; ext. bellad. liq., 21s. 6d. lb.; ext. bellad. sicc., 2s. 10d. oz.; ext. cannab. ind., 17s. oz.; hexamina, 5s. 8d. lb.; homotrop. hydrobrom., 1s. 8d. gr.; hydrarg. oxid. flav., 9s. 6d. lb.; hydrarg. subchlor., 8s. 4d. lb.; hydrarg. ammon. p., 9s. 4d. lb.; inf. caryoph. conc., 2s. 2d. lb.; inf. rhei conc., 2s. 10d. lb.; inf. valerian. conc., 2s. 8d. lb.; lin. ammon., 3s. 6d. lb.; lin. bellad. meth., 12s. lb.; lin. calcis, 1s. 11d. lb.; lin. camph., 3s. 6d. lb.; lin. camph. am. meth., 2s. 10d. lb.; lin. hydrarg., 4s. 3d. lb.; lin. sap. meth., 1s. 8d. lb.; lin. terebinthine, 1s. 7d. lb.; lin. tereb. acet., 3s. 4d. lb.; lithii carb., 10½d. oz.; lithii cit., 9½d. oz.; mist. ol. ricini, 1s. 7d. lb.; ol. caryoph., 19s. lb.; ol. morrhuae (Norwegian 1917 opt.), 23s. 6d. gal.; ol. olivæ (sublime), 23s. gal.; ol. ricini E.I. No. 1 (bleached), 1s. 4d. lb.; ol. santal., 4s. 7d. oz.; ol. tereb. rectif., 1s. 5d. lb.; papav. capsula ang., 6s. 3d. per 100; paraldehyd., 1s. 8d. oz.; pot. permang., 20s. lb.; pot. sulph., 2s. 2d. lb.; pot. tart. acid., 5s. 7d. lb.; pulv. jalap. co., 3s. 10d. lb.; pulv. sodæ tart. eff., 9.50d. per doz.; quin. hydrochl., 5s. 6d. oz.; quin. hydrochl. acid., 6s. 2d. oz.; quin. sulph., 4s. oz.; rhei rhizoma pulv. E.I., 4s. 10d. lb.; succ. lact., 3s. 2d. lb.; sodii et pot. tart., 1s. 8d. lb.; syr. chloral., 4s. lb.; terebentum, 2s. 10d. lb.; tr. camph. co., 4s. 1d. lb.; tr. cannab. ind., 21s. lb.; tr. guaiaci ammon., 6s. 8d. lb.; tr. quin. ammon., 5s. lb.; tr. valerian. ammon., 5s. 3d. lb.; ung. acid. boric. (flav.), 1s. 1d. lb.; ung. bellad., 1s. 4d. oz.; ung. hydrarg., 4s. 2d. lb.; ung. hydrarg. ammon., 3s. 2d. lb.; ung. hydrarg. ammon. dil. B.P.C., 3s. lb.; ung. hydrarg. oo., 4s. lb.; ung. hydrarg. iodid. rubr., 3s. 6d. lb.; ung. hydrarg. nit., 3s. 6d. lb.; ung. hydrarg. oleat., 3s. 4d. lb.; ung. iodoformi, 4s. 6d. lb.; ung. pot. iodid., 4s. 6d. lb.; ung. resinae, 3s. lb.; ung. staphisagriae, 3s. 2d. lb.; ung. sulphuris, 2s. 6d. lb.; ung. zinci, 2s. 2d. lb. Iodoform gauze, 36.00d. per 6-vard package. Wools, cotton (interleaved), per 1-oz. packet 2.25d., 2-oz. 4.25d., 4-oz. 8.00d., 8-oz. 15.00d., 1-lb. 27.00d.; boric, per lb. 30.00d.; sal-alcbroth, per lb. 30.00d.

CHEMICAL TRADES COMMITTEE.—Referring to the appointment of this Committee (C. & D., October 6, p. 34), "Nature" states: "We welcome the appointment of the Committee, although we have some doubt as to whether its composition is altogether such as will command the confidence of the chemical trades as a whole. It consists of four members connected with the Ministry of Munitions, one gentleman attached to the Ministry of Shipping, three members of the House of Commons more or less directly interested in chemical industry, together with the ex-President of the Society of Chemical Industry, who is a leading member of the coal-gas industry."

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. As a result of the War wholesale houses have had to contend with many fresh difficulties, some of which have involved greatly increased expenses. Shortage of labour with higher wages (equal to almost double pre-war rates) has a direct effect upon values of goods, as also have railway carriage, freights, cartage, and other charges. The foregoing and other incidental outlay prevent retail buyers purchasing at the market prices quoted here.

42 Cannon Street, E.C. 4, November 29, 3 p.m.

THERE is no decided improvement in business to record in drugs and chemicals, but there is a fair home trade demand. Export trading, however, labours under many difficulties, which seem to increase daily, and the ineptitude of Government officials, which certainly does not grow less, leads to loss in time and temper. The Bill continuing the present official control of imports and exports for a period of three years after the war has aroused considerable opposition in Mincing Lane and other commercial centres. Arrivals of general produce are again on a better scale, and some valuable consignments have been received. Market price changes are few, but values are well maintained, particularly in crude drugs. Among chemicals the changes include a further advance in benzoates. Bromides, acetanilide, hexamine, and formaldehyde are all firm. Citric and tartaric acids are firmer. Saccharin, phenolphthalein, and benzonaphthol are lower. Arsenic is again dearer, and bleaching-powder is easier. In drugs, squill has been in fair demand, and Java coca-leaves are dearer; Mexican jalap is scarce, and ipecacuanha is firm. Among seeds and spices, canary is again dearer; coriander and fenugreek are steady; dill is firm, and cumin unchanged. Pimento is easier. In outside articles, petrol and petroleum are lower. Shellac and turpentine are both dearer.

Higher	Firmer	Easier	Lower
Albumen	Cadmium	Anise oil, star	Benzonaphthol
Arsenic	Citric acid	Bleaching-powder	Petrol
Benzoic acid	Ergot	Lemon oil	Petroleum
Canary-seed	Tartaric acid	Mint oil (Jap.)	Phenol
Coca-leaves		Pimento	Phthalein
Shellac			Saccharin
Soda benzoate			
Turpentine			

Cablegram.

NEW YORK, November 29.—Business is quiet. Menthol is lower at \$3.20. Jalap is easier at 48c. per lb. Oregon balsam of fir has been advanced to \$1.25 per gal., and belladonna-leaves are lower at \$1.40. Salicylate preparations have all been advanced; salol is now \$1.65, salicylic acid is 85c., sodium salicylate is 90c., and methyl salicylate 85c. per lb.

ACETANILIDE remains firm at from 3s. 9d. to 4s. per lb. net.

ALBUMEN is dearer at from 3s. 10d. to 4s. per lb., the latter for prime.

ANISE.—Some Russian recently arrived has been selling at 72s. to 80s. per cwt.

ANISE OIL, STAR.—Arrivals amounting to about 500 cases have taken place from China, and the market is, if anything, weaker at from 4s. 3d. to 4s. 4d. for "Red Ship" on the spot, and 4s. 1½d. to 4s. 3d. c.i.f.

ANTIMONY.—Chinese crude metal is an extremely difficult market, and quotations are quite nominal, with very little spot obtainable at about 45l. per ton. There is a complete deadlock in new "c.i.f." business, the chief restraining factor being the virtual absence of ship-room, and it is impossible to get any reliable quotation. There is still some talk of crude metal as well as foreign refined being taken under official control, and this contingency likewise hinders business. Importers connected with chemical manufacturers, however, believe that control is impossible.

ARSENIC.—People identified with the Cornish tin-mines have followed with much interest the further rapid advances in arsenic, while the market has gathered the more force as no further supplies are being despatched from Canada. The tone is strong, although prices are rather wide at about 150*l.* to 155*l.* per ton, with business done on the basis of the higher figure for small lots of Cornish powdered. There is very little to be had, and the demand is more active than ever.

BALSAM PERU.—The spot price of genuine B.P. is from 19*s.* to 19*s.* 3*d.* per lb.

BALSAM TOLU.—Small sales have been made up to 3*s.* 6*d.* per lb., and 4*s.* is asked.

BARBITONE is still scarce, and worth from 120*s.* to 125*s.* per lb. net on spot.

BENZOATES are again higher in sympathy with the U.S.A., spot holders of benzoic acid and sodium benzoate asking an advance of from 1*s.* to 1*s.* 6*d.* per lb., and even more in some instances. Acid is now 14*s.* 6*d.* to 15*s.* 6*d.*, and sodium benzoate 13*s.* 6*d.* to 14*s.* 6*d.* as to quantity and seller. A cable received in London on November 23 quoted soda benzoate at \$3.25, which would make the lay-down cost in London 15*s.* per lb. without profit.

BENZONAPHTHOL is again lower at from 45*s.* to 47*s.* 6*d.* per lb. net on the spot.

BLEACHING-POWDER is easier in dealers' hands at 22*l.* per ton in casks.

BROMIDES are very firm at last week's prices, viz., 6*s.* 9*d.* to 7*s.* for potash crystals, 3*s.* to 3*s.* 3*d.* for sodium, and 4*s.* 8*d.* to 5*s.* for ammonium.

CADMIUM is hardening steadily, due to the constant demand and limited offers by importers, while only small stray lots are in the hands of merchants. Quotations now range from 7*s.* 9*d.* to 8*s.* per lb.

CAMPHOR (REFINED).—Further sales of ½-oz. Japanese tablets have been made at 4*s.* 3*d.*, also in slabs at 3*s.* 8*d.* to 3*s.* 9*d.* on the spot; to arrive, January-February shipment has been sold at 3*s.* 8*d.* to 3*s.* 9*d.* c.i.f., and ½-oz. tablets at 3*s.* 10½*d.* to 4*s.* c.i.f.

CANARY-SEED is again dearer, with business in good Morocco at 132*s.* 6*d.* per quarter.

CASCARA SAGRADA.—Tending firmer, in sympathy with the higher prices asked in U.S.A. There is still a limited quantity of one- to two-year-old bark to be had at 105*s.* on the spot, and for good thin three-year-old 107*s.* 6*d.* to 110*s.* is quoted.

CASSIA FISTULA is becoming increasingly scarce at from 80*s.* to 82*s.* 6*d.* per cwt. on the spot.

CASSIA OIL.—Small sales of 80 to 85 per cent. c.a. have been made at 6*s.* 3*d.* to 6*s.* 6*d.* per lb. on the spot, and to arrive 6*s.* c.i.f. is quoted.

CHLORAL HYDRATE remains firm at 10*s.* 9*d.* per lb. for duty-paid crystals on spot.

CINCHONA.—At the auction of pharmaceutical bark held at Amsterdam on November 8, 1,262 packages Java offered (958 bales and 304 cases), the total weight being 73,665 kilos., the quinine-content being 2,213 kilos. Of the foregoing quantity 341 bales and 188 cases, weighing 24,346 kilos., with a quinine-content of 612 kilos., sold at from 32½ cents to 70½ cents per half-kilo. At the auction to be held at Amsterdam on December 14, 830 packages (685 bales and 145 cases) Java pharmaceutical bark will be offered, the total weight being 52,413 kilos., with a quinine-content of 1,615 kilos. The bark consists of 42,278 kilos. Succirubra and 5,135 kilos. robusta, of which 7,757 kilos. is root-bark.

CINNAMON-LEAF OIL.—Sales of Ceylon have been made at 8*d.* on spot.

CITRIC ACID has a firmer tendency at 3*s.* 3*d.* per lb. for prompt.

CLOVES.—Zanzibar have been dull throughout, closing at 1*s.* 10*d.* on the spot for fair.

COCA-LEAVES.—Good green Java are dearer at 1*s.* to 1*s.* 2*d.* per lb. on the spot. At the auction of Java coca-leaves to be held at Amsterdam on December 14, 158 packages, weighing 6,476 kilos., will be offered, the total alkaloidal content being 77 kilos.; of the above 5,521 kilos. (134 packages) are under N.O.T. conditions, and 955 kilos. (24 packages) are "free" coca. The average percentage is 1.19.

CODEINE.—Heavy importations of codeine alkaloid from Great Britain have brought about a sharp reduction in the United States, the decline which took place early in the month being \$1.50 per oz. to a basis of \$11.05 in 1-oz. lots.

COLOCYNTH.—Good pale apple is offered at 1*s.* 4*d.*, ordinary at 1*s.* 2*d.*, and pulped at 1*s.* 7*d.* on the spot.

COPPER SULPHATE.—We understand that for agricultural purposes for home consumption the following prices have been fixed by the Board of Trade for next year: January-February delivery, 48*l.*; March-April, 50*l.*; and more distant dates, 52*l.* per ton net, free on rails.

CORIANDER-SEED is steady at 85*s.* per cwt. for Morocco and 60*s.* for East Indian.

COUMARIN is firm and scarce at 130*s.* per lb. net.

CREAM OF TARTAR remains firm at 345*s.* to 347*s.* 6*d.* per cwt. for prompt.

CUMIN-SEED is unchanged at 67*s.* 6*d.* to 70*s.* per cwt. for good to fine sifted Morocco.

DILL-SEED is firm, with a sale reported at 57*s.* per cwt. c.i.f. terms for a parcel being shipped from India.

ERGOT.—Spot prices are firmer, with good sound Spanish held at from 2*s.* 10*d.* to 3*s.*, and Russian is scarce at 2*s.* 6*d.*

EUCALYPTUS OIL is steady at from 2*s.* 10*d.* to 2*s.* 11*d.* per lb. for B.P. tests. Fair arrivals have taken place of late.

FENNEL-SEED has been sold at 60*s.* per cwt. on the spot for good new East Indian.

FENUGREEK-SEED is steady at 47*s.* 6*d.* per cwt. for Morocco.

HELIOTROPINE is offered at 31*s.* net on the spot.

HENBANE-LEAVES.—Parcels of Egyptian still offer on the spot at from 2*s.* 6*d.* to 2*s.* 9*d.* per lb., and for English the price is about 12*s.*

HEXAMINE remains firm at from 4*s.* 6*d.* to 4*s.* 9*d.*

HONEY maintains a very firm tone, and dealers in second-hands are obtaining a fair profit on the last auction rates. Jamaica has been sold at 135*s.* for nice pale set, down to 130*s.* for banana set. Californian can be had at 135*s.*, and afloat at 130*s.*, while Chilean just arrived is offered at 120*s.* per cwt.

IPECACUANHA is quiet at from 11*s.* 6*d.* to 12*s.* for Matto Grosso, and 11*s.* to 11*s.* 3*d.* for Cartagena.

JALAP.—Vera Cruz is scarce on the spot, with a parcel of low test (about 7 per cent.) offering at 2*s.* 1*d.* to 2*s.* 2*d.*, while for Brazilian (16½ per cent.) 1*s.* 6*d.* is quoted.

LINALOE OIL.—Mexican is worth about 12*s.* 6*d.* per lb.

MENTHOL is quiet at 13*s.* 6*d.* for Kobayashi-Suzuki on the spot, and at 13*s.* c.i.f. for afloat.

OPIMUM remains quiet, but prices are well maintained on the basis of 62*s.* 6*d.* to 65*s.* per lb. for 10-per-cent. Persian on the spot. About 250 cases have just arrived in London, but the Government still refuse to issue export permits, although the drug is badly wanted in America and elsewhere. Recent arrivals also include 100 cases Indian opium, averaging 8 per cent. morphine, the value of such in quantity being from 27*s.* to 28*s.* per lb., and, of course, buyers supply their wants from this source whenever possible, to the detriment of Persian opium, which cannot compete with these prices. This, of course, means that steps will be taken to facilitate direct business from Persia to importing countries, and thus avoid the London market.

ORANGE-PEEL.—We understand that instructions are about to be issued by the Food Controller to certain firms connected with the marmalade industry indicating that, as a condition for the granting of permits for the importation of oranges, they are to cease supplying fresh bitter orange-peel for medicinal preparations. This, of course, is a serious matter, as in another month or so wholesale druggists will be in the market for their annual supplies for making tincture of orange, important quantities being absorbed by them. There is a fair amount of so-called Maltese dried orange-peel on this market available practically all the year round, but the B.P. 1914 requires that preparations must be made from *fresh* peel, so that eventually it may be necessary to revert to the B.P. 1885, which was in force up to 1908, which ordered dried peel. Spain usually supplies our requirements of fresh peel, but whether the usual supplies of oranges (which should be due in about a month) will be available is doubtful owing to shipping difficulties.

ORRIS remains firm, and spot stocks in several quarters have been reduced since the recent advance; a limited quantity of fair Florentine sorts is offered at from 93*s.* to 95*s.*

PARALDEHYDE is firm at 15*s.* per lb. net.

PEPPERMINT OIL.—American tin oil is comparatively scarce on spot, and dealers have sold at from 16*s.* 6*d.* to 17*s.* net for finest. H.G.H. has also been sold at 22*s.* 6*d.* London terms.

PETROL.—Following the recent reduction of 2½*d.* per gal., the companies forming the Pool Board (Petroleum Supplies) announce that owing to further reductions in the Government war-risk insurance upon vessels, the wholesale price of all grades of war motor-spirit is reduced from November 26. This new wholesale price will effect a reduction of 2½*d.* in the retail prices for spirit. The new prices in England and Wales will be: No. 2 war motor-spirit, 3*s.* 7*d.* per gal.; No. 3 war motor-spirit, 3*s.* 6*d.* per gal.; Scotland and Ireland, 1*d.* additional.

PETROLEUM has been reduced by 1*d.* per gal. to 1*s.* 6½*d.*

for ordinary refined, and to 1s. 7½d. for water-white American.

PHENACETIN has still a weak tone at about 45s. per lb. net. PHENAZONE is steady at about 55s. net on the spot. Although France has prohibited the export for some time past, we notice arrivals from that quarter, which points to a leakage.

PHENOLPHTHALEIN is offered at the much lower rate of 50s. per lb. net on spot.

PIMENTO is easier at 4½d. per lb. on the spot.

POTASH COMPOUNDS.—The Controller of Potash Production announces that until further notice he licenses the purchase by any person of potassium compounds within the terms of the Order of October 17 (see *C. & D.*, October 27, p. 33), notwithstanding that such purchases may exceed an aggregate of 3 lb. per month, provided that the compounds so purchased are used solely in B.P. form or in B.P. preparations for purely medicinal purposes.

QUICKSILVER.—Certain people connected with the handling of the metal state that it is practically unobtainable, but this statement is possibly somewhat exaggerated, although there is no doubt that many attempts to get hold of permits have proved abortive. Whatever may be the reserves available, it is probable that they are allotted for Government requirements, which have again increased of late, in connection, it is believed, with new developments in warfare. The market is nominal at 20½. to 20½. 10s. per bottle.

QUININE continues a restricted market, with spot sellers at from 3s. 2d. to 3s. 3d. for the usual brands of sulphate. In the list of prohibited and restricted exports, both (b) cinchona-bark and (B) quinine and its salts have been amended to (A) cinchona-bark, its alkaloids and salts, which means that they are now prohibited to all destinations, except under licence.

SACCHARIN.—There is still a wide range in quotations, but it is possible to buy 550 strength at 340s. per lb. net on spot, and even a trifle less, as several important arrivals have taken place. December shipment can be had at 320s.

SALICYLATES are still on the weak side, English *salicylic acid* offering at 6s. to 6s. 3d., and U.S.P. at 6s. 9d. on the spot. English B.P. sodium salicylate is also rather cheaper at 7s., while U.S.P. is 7s. 6d. on the spot.

SALOL is steady at 9s. 6d. net on the spot.

SANDALWOOD OIL.—Arrivals, presumably from India, amounting in value to 13,500£, have taken place this week. Large importers of genuine Mysore distilled oil quote 53s.

SHELLAC is strong at a further 20s. per cwt. advance, with few sellers, usual standard TN Orange closing at 346s. to 347s. 6d., and fine Orange 400s.

SODIUM ACETATE in small crystals is quoted at from 97½. 10s. to 100½. per ton.

SODIUM HYPOSULPHITE is firm at 47s. 6d. per cwt. for small crystals in kegs.

SQUILL is in fair demand on the spot, fair white selling at 65s. per cwt., and seconds at 57s. 6d. to 60s.

STAPHUR is steady on the spot at 29½. 10s. for Sicilian flowers, and 28½. 10s. per ton for roll, ex wharf.

TARTARIC ACID is ½d. per lb. dearer at from 3s. to 3s. 1d.

TURPENTINE is dearer, American on spot closing at 102s. 6d. per cwt.

WAX, BEES'.—Small sales of Sierra Leone are reported in Liverpool at 9½. 17s. 6d. per cwt.

WAX, CARNAUBA.—In reference to the Order issued by the Army Council, dated July 11, giving notice of the intention to take over possession of all stocks of carnauba wax of over 2 tons, it is now intimated that the Order does not apply to yellow carnauba wax.

WAX, JAPANESE, is firm at 90s. for good slabs on the spot.

ZINC OXIDE.—Market quotations are rather wide and supplies somewhat scarce, which is not surprising in view of the restricted imports, less material coming forward from America, where the making of the higher grades has been curtailed. There is very little Continental material now being shipped to this side, and this mainly consists of Dutch, which is quoted at from 66½. to 87½. per ton f.o.b. Dutch ports, when shipments can be effected. English makers quote 90½. to 100½. net delivered to consumers. In view of the considerable Government requirements for the manufacture of war material, the market is practically entirely under official control. As time goes on the home output will probably continue progressive. Plenty of zinc-dust is coming forward from Australia through the Australian Zinc Producers Association, but zinc oxide is not as yet made there. The prices realised for Australian zinc-dust, which finds a ready market, range from about 85½. to 105½. 10s. per ton, according to quality, delivered U.K. ports.

Arrivals of Chemicals, Drugs, etc.

The following arrivals have taken place at the Ports of London and Liverpool:

To London:	400 cs.;	<i>synthetic</i>	Bromides, sodium, 68
(November 10 to 16.)	oils, 23 cs.		cs.
Acetic acid, 116 brls. 40	Oils, fixed: arachis,		Citrate of lime, 183
chys.	2,391 cs.; coconut,		pkgs. 15 bgs.
Alcohol, wood, 10,244	25 pps. 86 pkgs.;		Cream of tartar, 204
gals.	palm, 35 cs.; rape,		csks.
Aloes, 50 bxs.	997 cs.; wood, 880½.		Dental goods, 165½.
Antipyrin, 2 cs.	Paraldehyde, 8 cs.		Drugs, unrated, 909
Arsenic, 205 cs.	Perfumery, unrated,		pkgs. 156 bls. 100½.
Baking - powder, 500	207½; toilet-pow-		Dyestuffs, unrated,
kgs.	der, 606½; water,		230½. 3 kgs. 8 brls. 3
Barbitone, 1 cs.	60½.		pkgs.; cutch, 1,745
Barium hydrate, 19	Phenazone, 11 cs.		bxs.; dye extract,
brls.	Potash carb., 7 brls.		50 brls. 10 cs.;
Bromides, potash, 20	Potash iodide, 57 cs.		fustic ext., 400 bxs.
cs.	Quinine, 262,890 oz.		25 brls. 66½. 32 cs.
Calamus-root, 42 hprs.	Quinine ethcarb., 1		logwood ext., 224
Camphor, 76 cs.	box		csks.; mangrove
Casein, 1,706½.	Salol, 2 cs.		bark, 17 bgs.; red
Chalk, French, 199½.	Saltpetre, 630 cwt.		dyewood, 50 tons;
Chemical products, un-	Sandalwood, 246 pkgs.		tanning ext., 1,709
rated, 73 cs. 12 csks.	Seeds (bags): ajowan,		csks.
Cinchona, 28 pkgs.	100; anise, 231;		Iodine, 112 brls.
Dental goods, 2,228½.	castor, 30,534; cori-		Liquorice-juce, 15 cs.
Drugs, various, 140	ander 725; dill, 580;		Lithopone, 80 csks. and
pkgs.; drugs and	fennel, 24; lin, 30;		3,600½.
herbs, 50 bgs.; medi-	mustard, 667; se-		Nickel oxide, 141 brls.
cal herbs, 15 bgs.	same, 49		Nuts and kernels
Dyestuffs and tanning-	Senega, 19 bls.		(bags): arachis,
materials, unrated,	Soap, toilet, 436½.		1,161 copra, 400;
187 pkgs. 10 csks.;	Soda hypo., 50 tons		palm-kernels, 37,162
logwood, 100 tons;	Soda, unrated, 20,043		bgs. and 1,500 tons
myrabolans, 8,177	cwt.		Oils, essential, unrated,
pockets, 1,232 bgs.	Sponge, 150 bls.		8 drms. 220 cs. 20
7,800 pkgs.; tan-	Starches (cwt.): dex-		crts.; anise, star,
ners' bark, 444 tons	trin, 300; farina,		60 cs.
Formaldehyde, 70 brls.	830; maize, 1,140;		Oils, fixed: castor, 300
Fullers' earth, 5 tons.	potato-flour, 4,725;		cs.; palm, 20 butts
Galangal, 50 bls.	rice, 744; unrated,		3,376 csks.; teal-
Gallic acid, 5 brls.	100		seed, 2,104½; whale,
Galls, 1,625½.	Sticklac, 100 cwt.		80 brls.
Gentian, powdered, 10	Tallow, 10,937 cwt.		Petroleum jelly, 130
bls.	Thorium nit., 488½;		brls.
Glycerin, dist., 15½.	cerium nit., 5½.		Potash caustic, 3 drms.
Guaiacon carb., 3 cs.	Turpentine, 500 brls.		Potash perchlor., 100
Gums (cwt.): acacia,	Urodonal, 15 cs.		brls.
421; olibanum, 603;	Valerian-root, 110 bgs.		Rosin, 4,930 brls.
tragacanth, 1,281	Vanilla, 20 cs.		Salicylic acid 19 brls.
Henbane, 11 bls.	Vanillin, 20 cs.		Seeds, cotton, 1,630
Insect-flowers, 12 bls.	Wax, not described,		bags.
Kola, 52 cwt.	249 cs. 78 bgs. 133		Soda acetate, 190 brls.
Liment, 4,241½.	pkgs.		Soda nitrate, 179,712
Lithol, 4 cs.	Wax, paraffin, 1,983		bgs.
Lobelia herb, 7 bls.	cwt.		Starches, 1,500 bxs.;
Male-fern ext., 1 c	Witch-hazel leaves, 4		2,150 bgs.; dextrin,
Menthol, 100 cs. s.	bls.		440bgs.; farina, 757
Mineral jelly, 614 cs.			bgs.
Nuts and kernels (cwt.):	To Liverpool.		Tallow, 489 csks.
apricot-kern., 205;	(November 12 to 16.)		Thorium and cerium
cashew-nuts, 1,098;	Acetic acid, 39 brls.		nit., 4 cs.
copra, 1,180	Antim. sulph., 16 brls.		Turpentine, 700 brls.
Oils, essential, 274 cs.	Argol, 100 bgs.		Wax, bees', 6 ballots
28 drms.; eucalyptus,	Balsams, 10 tins		Wax, paraffin, 990 brls.
585 cs.; anise, star,			Zinc oxide, 1,200 brls.

The Government and Merchants.

The Merchants' Committee of the London Chamber of Commerce met on November 21 to discuss the Imports and Exports Temporary Control Bill. Sir Frederick Banbury, M.P. for the City of London, was present. It was resolved unanimously: "That the Committee, having considered the Imports and Exports Temporary Control Bill, is strongly opposed to the proposal to continue Government control of imports and exports for three years after the war, on the grounds that in the interests of the country it is necessary that the ordinary course of business should be resumed with the least possible delay." In the opinion of the Committee the necessary amount of control could be exercised over all branches of trade by continuing the functions of the Shipping Controller pending a return to normal conditions, and countless hosts of officials would thereby be released for more useful work than their present employment. Members of the Committee are warned by their members of Parliament that the Board of Trade is apparently anxious so to involve the Government that it will have to carry on all business after the war. The Manufacturers' Section of the Chamber also considered the Bill at a meeting held on the same day, and unanimously endorsed the foregoing resolution. It will, therefore, be seen that merchants and manufacturers are in agreement in opposition to the provisions of the measure.

THE GOVERNMENT have bought the whole of the Egyptian cottonseed, and hope to supply cottonseed-cake at 3½. or 4½. less than the present price.



Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Profits on Proprietaries.

SIR.—The suggestions in letters of Mr. Saunders and Mr. Todd, together with the observations of "Xrayer II.," should be read by proprietors as well as retailers. Both parties must be convinced that the present business is unsound and unprofitable before we can expect better conditions to prevail. "Xrayer II.'s" lesson on the bad stock with which he was "left" might have been extended by saying that the chemist who sells an unprofitable patent is not building a trade for himself, but creating a "volume" of trade for others. Any future profit on repeat orders may "leave him" for ever. There is a reason why the sale of 1,000l. worth of patents was selected as a basis on which to calculate net profits. No other sum is so easily manipulated. It fits the conditions of yearly returns, salaries, expenses, percentages, etc., and is adaptable proportionately to any size of business. I hope it will be adopted in this correspondence. A valuer tells me one hand or assistant may be fairly apportioned to each 1,000l. return. Patents yield 20 per cent. gross at P.A.T.A. prices, therefore 1,000l. = 200l. gross. Whether the chemist does the work himself or employs others, somebody must be fed at 30s. a week. This absorbs the first 75l. If rent, rates, taxes, repairs, etc., do not cost another 50l., the owner must have very cheap premises and service. The balance of 75l. net is left to the retailer for serving at least 13,000 customers, or, in other language, it leaves less than a "tuppenny tip" for the waiter (1.4 pence). I wish the local Chemists' Associations, as well as kindred patent-medicine dealers' Associations and the P.A.T.A., would discuss this subject and let the trade know the truth. Once we decide what is a reasonable profit, and what we really get for acting as salesmen, stockkeepers, and advertising agents, we shall know what time and space to devote to this branch of the business. Will any busy chemist who keeps a register of the number of customers served kindly write me?

J. J. JACKSON
(Chave & Jackson, Ltd.).

SIR.—Mr. Jackson asks a simple question—"What is the net profit to a chemist on the sale of 1,000l. worth of patents at P.A.T.A. prices?" He then goes on to say that the result is about 20 per cent. gross profit, after which must be allowed 15 per cent. for the overhead charges of the chemist's business. What Mr. Jackson apparently overlooks is that he is saddling quick-selling proprietary articles with the working-expenses of his whole business, in which he carries lines which never or rarely sell. The profit on proprietaries will never approach that of drugs, but the overhead charge for the selling of drugs is very much higher than is necessary for the handling of proprietary patents. The big company chemists solved this problem long ago, when they engaged apprentices and young lady assistants to sell everything and do everything except the actual dispensing of medicines. The companies realised that it is unfair to saddle proprietary articles with the salary of a qualified man when less skilled labour could handle the goods, seeing they are half sold, and in many cases entirely sold, to the public by national advertising. If Mr. Jackson will tell me what exactly his overhead charges are, the particular proprietary articles to which he is alluding, and the time it takes to handle them, then I shall be able to tell him what is the net profit on 1,000l. sales. If Mr. Jackson will take his mind back to when we received 0.8d. as an establishment-charge for National Health Insurance dispensing, he will remember that that low figure was fixed on the ground that it was additional business, and not entitled to bear its full proportion of the ordinary establishment-charge of a chemist's business. The same principle may be applied to proprietary articles. If Mr. Jackson says 15 per cent. is the estimate for the overhead working of a chemist's business, which includes compounding medicines and the carrying in stock of a number of very slow-selling articles, then surely it is unfair to expect quick-selling proprietary articles to have to bear a similar heavy establishment-charge.

Tottenham, N.

HUGO WOLFF.

SIR.—The subject opened up by Mr. Jackson's inquiry seems to be of great interest, judging by the correspondence it has called forth. I am tempted to write by way of drawing attention to the curious method by which Mr. Hugo Wolff demolishes Mr. Jackson's argument. I expect that Mr. Wolff is a very successful business man, but in that case his success is not due to his views on profits on patents, but in spite of them. What Mr. Jackson said was that the profit on 1,000l. worth of patents at P.A.T.A. prices does not pay the wages of a typist or a junior clerk, and Mr. Wolff disagrees with this statement. Well, let us see. It is only fair to assume that Mr. Jackson refers to the minimum P.A.T.A. profit, which I believe is 20 per cent. on cost. On this basis the total amount realised by the sale of "1,000l. worth" of patents would be 1,000l. + 200l. = 1,200l. Now, can we come to an agreement as to the cost of selling these goods? "MacJ." puts it down at from 25 to 33½ per cent., but these figures are excessive. I agree with Mr. Wolff that on advertised patents a smaller profit may be taken. Suppose we put the expense at 12½ per cent., the figures tabulated, according to "MacJ.'s" method, would run out like this:

Total sales	...	...	...	...	...	£ 1,200
Cost of goods	...	...	...	...	...	1,000
Gross profit	...	...	...	...	...	200
Expenses, 12½ per cent.	...	...	...	...	...	150
Net profit	...	...	...	...	...	£50

Mr. Wolff may be able to get a typist or junior clerk at less than a pound a week; but I have my doubts. I think, therefore, that Mr. Jackson is quite correct in his original statement. Mr. Wolff will probably say that the typist's salary comes under the 12½ per cent. expenses. I say it cannot do so. The gross expenses of running the business will probably be double 12½ per cent., and, by Mr. Wolff's own showing, the only expense which comes into the scheme (apart from rent, rates, etc.) is the man who does the selling. Assuming, however, that the contention is justified that 12½ per cent. covers the share of the typist's salary, I want to examine Mr. Wolff's own example on this basis. Unfortunately his figures are not complete, for he does not tell us the price he sells his 300 articles at. Assuming it to be a 6d. line, and that Mr. Jackson sells 100 at a profit of 2d. and Mr. Wolff 300 at a profit of 1d., this is how the comparison will appear:

	Jackson		Wolff	
	s.	d.	s.	d.
Cost at 4d.	100 at 6d.	50 0	300 at 5d.	125 0
	...	33 4		100 0
Gross profit	...	16 8		25 0
Expenses, 12½ per cent.	...	6 3		15 7
Net profit...	...	10 5		9 5

On this showing Mr. Wolff is a loser on the transaction of 1s. as compared with Mr. Jackson. He will no doubt reply that he can sell 300 articles with the same labour as Mr. Jackson sells 100, but that won't do. While Mr. Wolff is selling his 200 articles, Mr. Jackson's time is being occupied with something much more profitable, and he has not only actually earned more net profit on this particular article than Mr. Wolff, but a good deal besides, as indeed he would require to do in order to equalise the burden of the overhead expenses. Your other correspondent, "M.P.S.I.," earns a gross profit of 96l. on an annual cost of 360l. for patents; in other words, he gets a profit of 26.6 per cent. on cost as compared with the 20 per cent. P.A.T.A. minimum, therefore his patents invoices will, I think, embrace more than simply P.A.T.A. lines. But surely he does not mean to imply that his "profit" is 96l. on 360l., or 26.6l. 13s. 4d. on 1,000l.? This cannot possibly be, as he will see from this table:

Sales of "patents"	...	...	...	...	£ 456
Cost of same	...	...	...	...	360
Gross profit	...	...	...	...	96
Expenses, 12½ per cent....	...	...	...	...	57
Net profit ...	...	...	...	...	£39

or 8.5l. 10s. net profit on sales of 1,000l. "M.P.S.I." refers to the extraordinary fallacy propagated by certain manufacturers that if you invest 30l. in their goods and turn it over once a month, your profit at the end of a year will be, say, 96l. for an investment of 30l. The trouble with this little calculation is that to make it "fit," no rent,

no taxes, no lighting, no salaries, no anything, is ever to be charged against this part of the business—a childish conception that could only occur to a manufacturer who thought his clients were born idiots. I hope that some good may come out of this correspondence, for, with a few notable and splendid exceptions, the articles on the P.A.T.A. list yield miserably inadequate profits.

LONDONER. (91/19.)

SIR,—Does Mr. Jackson attach no value to the people who are sent into his shop by the advertisements of proprietary medicines? A great many who patronise him for many articles sold in his shop would never have heard of him or of the articles but for the advertisements of the patent-medicine trade. Personally, I have every reason to give patent-medicine advertisers a "square deal," apart from the profit I get selling their goods.

Yours truly,

J. F. G. (191/07.)

SIR,—I am glad to see the letters to C. & D. showing the great dissatisfaction at profits on patent medicines. I am in favour of a discount off the selling-price, which should be face-value if possible. The minimum profit should be 20 per cent. off the selling-price for retailer and $\frac{1}{2}$ per cent. off that for wholesaler. I suggest 20 per cent. because that works out at 16 per cent. for chemist's working expenses and 4 per cent. for interest on capital or net profit. For instance, take Owbridge's lung-tonic. Present price in 1-gross lots is (1) selling-price, 7l. 4s.; cost-price, 5l. 18s.; gross profit (18 per cent.), 1l. 6s. (2) By B. method selling-price, 7l. 4s.; less 20 per cent. cost-price, 5l. 15s. 2d.; gross profit, 1l. 8s. 10d. Percentage of profit brings up another point. Manufacturers like to reckon it as percentage on cost-price. In case of, say, Owbridge's, reckon chemist makes 22½ per cent. profit, which is profit on cost-price. What the retailer wants to know is percentage of profit off selling-price. In Owbridge's it is about 18 per cent. If any article shows less profit than 20 per cent. off selling-price it is not worth stocking. "Every article sold ought to pay itself." The minimum price must not become the maximum, as slow-selling articles require at least 25 per cent. profit—say, selling-price, retailer, cost price, less 25 per cent.; wholesaler, less 10 per cent. This would be fair all round. A window-show ought to be equal to 10s. on 5l. order, or a bonus or 10 per cent. extra discount as equivalent. Several soap firms have lately knocked off the retailer's profit to maintain theirs. Chemists only ask for a living profit, and with changing prices now is the time for makers of unprofitable articles to make them profitable, to the mutual benefit of all concerned.

Yours faithfully,

Brightlingsea.

P. G. CURTIS.

SIR,—My Association advocates the following innovations:

1. All patents to be sold at face value.
2. That they carry a profit of 33½ per cent. on sales.

The Proprietary Articles Trade Association endeavours to obtain a standard profit of 25 per cent. on sales. If every Association would support our campaign and forward above resolutions to the P.A.T.A., their Council would be forced to act. Professor Cherrington, in his book "Advertising as a Business Force," conclusively proves that the most important link between manufacturer and consumer is the retailer. Ninety-five per cent. of the retail drug-trade is in the hands of private individuals. Now or never is the time to act.—Yours faithfully,

EVAN J. HARRIES, Hon. Secretary.

Merthyr Pharmacists' Association.

SIR,—We ought to be grateful to Mr. Jackson for raising this question, and to you for giving so much of your valuable space for its discussion. Presuming that the statements in the letters from chemists can be accepted as the opinions of the majority of chemists, then the outlook for pharmacy is not good. "MacJ." from records he has in his possession, proves that the chemist can get 10 per cent. net profit on his turnover. Surely 10 per cent. net profit on turnover is sufficient to expect the public to pay for the service that the chemist renders. If the amount of money represented by this 10 per cent. is insufficient to cover the chemist's living-expenses, the remedy does not lie in increasing the margin between cost and selling price (gross profit) so much as it does in this individual increasing the volume of his turnover or reducing his living-expenses in proportion to the amount of capital he possesses. "MacJ." does not state the capital that yielded 10 per cent. net profit on turnover; the return on capital may have been 40 per cent. or 50 per cent. Mr. Shepperson's letter opportunely points out that the fixed discount without relation

to the nature of the article is not fair to the public. One of the chief functions of the Proprietary Articles Trade Association is to prevent cutting of prices so that the minimum discount allowed to the wholesaler and the retailer will be maintained; it is not, as some pharmacists think, an association of traders whose function is to artificially inflate the prices to the public for the benefit of a particular class of traders. If a trader goes into trade with insufficient capital, if he is a bad buyer, an indifferent stockkeeper, and generally incapable as a business man, an increased margin between cost and selling price (gross profit) may enable him to keep longer out of the bankruptcy court, but it will not increase his net profit at the end of the year. If the powers that be decide that the minimum discount is to be increased owing to the increased cost of doing business, then they will, if they are logical, have to increase the wholesale as well as the retailer's margin. As a matter of fact, this increased cost of doing business has been already met by the rise in price of articles. Undoubtedly the public would have to pay the increase of margin, and, if adopted without distinction as to the nature of the article and the purpose it serves, disaster to the P.A.T.A. would result. With all foods the tendency of the times is to fix the margin between cost and selling price from the source to the consumer. Up to the present the usual channels for distribution have been respected, as the authorities have made it obvious that they do not want to scrap the existing machinery of distribution; but if a particular channel of distribution is to be made unduly expensive by artificial, unnecessary restrictions of a trade Association, they will have no hesitation in diverting the distribution through another and less costly channel where such arbitrary restrictions do not prevail. It can serve pharmacy but an ill-service not to see things as they are, not as some members would wish them to be, and the tendency of the times must convey to any but a superficial observer that this talk about increasing the margin between cost and selling price (gross profit) as far as goods are concerned is fraught with danger, if not disaster, to the pharmacist. Many P.A.T.A. patents are already stocked and distributed by the grocer, who, on turning over tea, sugar, etc., rapidly, is enabled to meet his establishment-charges on a considerably less margin than the average chemist. Why make the margin on P.A.T.A. articles wider, and give to him a further inducement to take away from the chemist the most profitable business, the sale of foods? The cure does not lie in increasing the margin on P.A.T.A. articles, but with the chemist himself. Most chemists are satisfied to distribute goods that are advertised; if they would sell them they would attract so many sales to themselves that they would quickly realise that there was ample margin, and that it is the volume of trade, not the unit per cent. of profit on an article, that decides the net profit at the end of the year.

ANDREW CREWDSON.

About Sanatogen.

SIR,—We would remind your correspondent "Simplicitas" that the point at issue is: Should a preparation which is not sanatogen be named "sanatogen"? While we obviously cannot enter into any discussion as to the exact degree of "efficaciousness" which may belong to other casein-glycerophosphate foods, we do emphatically contend that no other preparation is identical with the genuine original Sanatogen as manufactured by ourselves. We believe this fact will be self-evident to "Simplicitas" and to any other unprejudiced inquirer if they care to go to the trouble of making a comparative test of our preparation with those alleged to be the same thing.—Yours faithfully,

W. G. ASQUITH, General Manager.

Genatosan, Ltd.

Syrupus Factitius.

SIR,—Syrupus Factitius is more unsatisfactory as a substitute for syrupus than emuls. chlorof. is as a substitute for spirit. chloroformi. The latter varies in strength, and the last portions used out of the dispensing-bottle are seriously deficient in strength. Instead of being twenty times stronger than aq. chlorof. B.P. it may even be of the strength of aq. chlorof. B.P. 1835. This point does not seem to have been noted, so that where the amount of aqua in a script permits of the use of ten times the quantity of aq. chlorof. B.P. 1835, or twenty times the quantity of aq. chlorof. B.P. 1898 for emuls. chloroformi, it would be more satisfactory to substitute it, thus ensuring the amount of chloroform intended being present. The methods of making syrupus factitius so far as I have seen published make for loss of chloroform, and appear to be, "How not to make it." The formula should have been muc. tragac. B.P., substituting aq. chlorof. B.P. 1835 for aqua, or the equivalent of chloroform added last.

Seaham Harbour.

W. FORSTER.

Dispensing Difficulties and Notes.

Clear or Cloudy Mixture.

SIR.—A customer presented the following prescription, which the physician—a London specialist—told her should be “perfectly clear like water.” It was so dispensed in London on one occasion, but afterwards was sent containing a flocculent precipitate. This is our experience also. How can a clear mixture be made?

Sodii phosph. acid.	...	...	gr. cclxxx.
Sodii benzoat.	...	...	3ij.
Sodii sulph.	...	...	3iss.
Aq. anethi ad	...	...	3viii.

Yours truly,

IRELAND. (7/17.)

[The mixture should have undoubtedly a flocculenc. The more correct the ingredients the more bulky the precipitate. From sodium benzoate benzoic acid is liberated by the sodium acid phosphate, and forms the flocculent precipitate, some of which we have collected, dried, and identified. The sodium sulphate takes no part in the proceedings. The order of mixing is immaterial. The precipitate being very light diffuses on shaking, so that an added suspending agent is not required. One would suppose that ordinary di-sodium hydrogen phosphate had been used in compounding the mixture which remained clear.]

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

A. B. S. (182/36).—(1) BOOKS ON CHILDREN'S DISEASES.—Recently published books are: Still's “Common Disorders and Diseases of Children” (Hodder & Stoughton, 16s.); Fordyce's “Diseases of Children” (Black, 10s. 6d.); McCaw's “Diseases of Children” (Baillière, 10s. 6d.). (2) The fifth edition of “Diseases and Remedies” was published in 1916.

H. F. D. (184/55).—TREATMENT OF DRY-ROT.—It is recommended to treat wood used in building with a solution of mercury perchloride in methylated spirit (6 oz. to the gal.) in Leaflet 113 of the Board of Agriculture, so that it is probable that the weaker solution you employ would not be effectual. The *Merulius lacrymans* can spread over brickwork and stone in its efforts to reach wood, but we do not gather that your customer has found the fungus on bricks. The employment of creosote and carbolic acid on wood placed beneath floors, combined with proper ventilation, is the best method of preventing the spread of the fungus.

R. R. (154/20).—VOLUMETRIC ANALYSIS.—The standard text-book on this subject is Sutton's “Systematic Handbook of Volumetric Analysis” (Churchill, 21s.). The British Pharmacopoeia, Appendix III, contains information in regard to the preparation of those volumetric standard solutions employed in official tests.

A. D. (Petrograd) (166/14).—BOOKS ON THE MANUFACTURE OF PERFUMES.—There is a chapter on the subject in “Pharmaceutical Formulas” (Office of C. & D., 10s.). Other works are Atkinson's “Perfumes and their Preparations” (Spon, 12s. 6d.); Piesse's “Chimie des Parfums et Fabrication des Essences” (Baillière, 4fr.); Durville's “Nouveau Guide du Parfumeur” (Desforges, 5fr.).

W. A. F. (176/46).—Saffron makes an excellent yellow colouring-matter for hair-washes containing water and spirit. Chlorophyll may be used in place of ext. cannab. indicæ for colouring salicylic corn-paint.

F. B. (170/7).—We know of no better way of preparing the mixture of soft soap, borax, and camphor than grinding the ingredients together in a paint-mill—that is, if you have not access to an edge grinder-mill.

Apothecary (164/20).—ANALYSIS OF SILICA.—The best description of the processes of analysing silicates with which we are acquainted is that given in Mellor's “Treatise on Quantitative Inorganic Analysis” (Griffin, 30s.). The methods there given are those used in the testing department of the Staffordshire County Pottery Laboratory, Stoke-on-Trent.

Burns (188/14).—BAKING-POWDER WITHOUT TARTARIC ACID.—See C. & D.; February 17, 1917, p. 52, or June 3, 1916, p. 52.

Fairplay (167/69).—If you find your local grocer selling glycerin “to all and sundry” you should exercise your ingenuity in buying up all you can for use in dispensing. It is not illegal to sell glycerin retail.

A. T. B. (185/71).—FILM-COLOURING FOR CARBOYS.—The following is the method given in “Pharmaceutical Formulas”: The process was devised by Mr. T. Maltby Clague, of Newcastle-on-Tyne:

Aniline dye	...	...	gr. xv. to xxv.
Gelatin (not opaque)	...	...	5j.
Water	...	...	3vj.
Carbolic acid	...	...	5j.

Soak the gelatin in water, dissolve the dye in warm water, and next add the softened gelatin and warm till melted, then add the carbolic acid. When the solution has cooled to about 150° F., pour it into the carboy, previously placed in a warm position until it has acquired a temperature of from 90° to 100° F. [A cloth dipped in hot water and carefully applied outside heats the carboy nicely.] Now keep turning it upside down and round about until the gelatin shows signs of setting, then put it on its stand and allow the jelly not adhering to the sides to settle to the bottom. Leave the stopper out for a few hours. The following colours have been tried: Malachite green, a good colour to work with, and strikingly like sulphate-of-copper solution; about 25 gr. to 6 oz. is required. The colour fades somewhat, so that it is well to make it a trifle dark. Methylene blue, 15 gr.; a rich colour very like ammonio-sulphate of copper. Methyl-violet, 15 gr., a rich bluish red; can be made to vary according to the dye used. Flamingo gives the nicest red, 15 gr.

F. A. G. (163/35).—LINOLEUM-POLISH.—The following are representative formulae:

	I.	II.	III.
Yellow wax	3 parts	4 parts	16 parts
Carnauba wax	7 parts	—	—
Palm oil	—	2 parts	1 part
Turpentine oil	10 parts	10 parts	8 parts
Benzoline	10 parts	2 parts	—

M. G. (191/20).—(1) GARDEN CARROTS do not appear to contain any medicinally active principle. The colouring-matter is carotin, a ruby-red crystalline substance of neutral reaction without taste and smell. The roots also contain 6 to 7 per cent. of sugar and 2 to 3 per cent. of digestible pectose, starch, gum, and cellulose. Wild carrot, on the other hand, has diuretic properties, a fluid extract and an infusion of the herb being used in the treatment of dropsy, gravel, retention of urine, and affections of the bladder. (2) PARSLEY-ROOT is diuretic and emmenagogue, its medicinal activity being due to the presence of an oil—apiol—which principle is most abundant in the seeds, although all parts of the plant contain apiol. As employed for flavouring purposes the quantity used is insufficient to produce specific medicinal effects.

H. (193/15).—FURNITURE-WORMS.—The formula for the solution which is being employed to destroy the furniture-beetle infecting the roof of Westminster Hall is probably what your customer is referring to as the most modern treatment. The recipe was printed in the C. & D., August 11, p. 46. You will also find further information on the matter in the C. & D., March 28, 1914, p. 82.

A. R. (193/2).—There is not, so far as we are aware, any suitable substitute for the spirit used in “dry” shampoo liquids.

E. Y. S. (193/51).—WORMS ON LAWNS.—The method of destroying worms on lawns in which mercury perchloride is employed was given in the C. & D., October 27, p. 56. We fancy, however, that your customer has in mind a powder of dried blood, cotton-meal, bone-powder, and mustard bran, which is used for the purpose, the statement that the powder also acts as a fertiliser being borne out by the composition we have given.

Retrospect of Fifty Years Ago.

Reprinted from “The Chemist and Druggist,” Dec 14, 1867.

A WELL-DESERVED HONOUR.—The “International Societies for Aid to the Wounded in Time of War” have awarded to Mr. Condy, of Battersea, their medal, in recognition of the importance to military surgery of his discovery of the disinfecting properties of the alkaline permanganates, and the great sanitary value of Condy's fluid, as proved by the experience of the Prussian army surgeons during the late Bohemian war.

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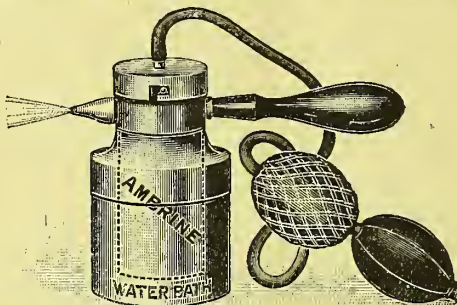
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Simple, safe and economical.*Phenacetin is now Restricted.***CRYOGENINE.**A general Antipyretic. Powerful
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Supersedes ANTIPYRIN, PHENA-
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Very simple, effective, harmless.**CUPRASE.**Specially prepared Colloid Copper
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Medication (subcutaneous),
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In Tablets.**HERMOPHENYL.**

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Tablets for solution: Soap, Am-
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For Human and Veterinary use.**RHEANTINE.**Antigonococcal inoculation by
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In spherules.A Great Advance in the Treatment of BURNS—
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Special Spray, 24/-			Duplex Tin 5/6

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By the double action of secretion and peristalsis.

OPOLAXYL**Opolaxyl** is a combination of the secretions of the
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It is not merely purgative, it stimulates the defective
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lasting effect by reason of it rebuilding the organs, thus
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should be swallowed without crunching at bedtime or
before breakfast. In bottles of 50 tablets.Dose: For obstinate constipation 2 or 3 tablets, afterwards
one tablet every three or four days for a month.**DRUGS AND
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Acid Salicylic**Sodium Salicylate****Methyl Salicylate****Salol****Phenacetin****Aspirin****Sodium Sulphite, cryst.**

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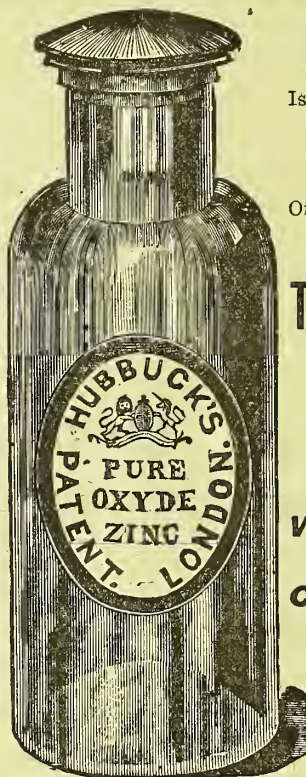
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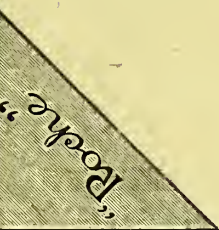
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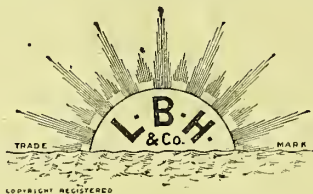
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N.B.—We would draw attention to the fact that all prices quoted herein are subject to alteration without notice, and that where stocks are limited preference is always given to our regular customers.

- A**cetanilide, B.P., 1 lb. @ 4/3 lb.; 7 lbs. @ 4/5 lb.; powder, 1d. lb. extra.
 *Acet. Ipecac., B.P., 6 lbs. @ 2/- lb.
 „ Scilla, P.B., 6 lbs. @ 6d. lb.
 *Acid. Acet. Glacial, 99%, 1 lb. @ 4/4 lb.
 „ Acetylo-Salicyl 1 lb. @ 13/- lb.
 „ Benz, B.P., 1 lb. @ 16/6 lb.
 „ Boric Pulv., 3 cwt. @ 71/- cwt.; 1 cwt. @ 73/6 cwt.; levigad. cwt. or 1 lb. extra.
 „ Carbol. Xtls., 39/40; 56 lb. drums @ 1/11 lb.; 12 1-lb. Bots. @ 2/3 lb.; Single Bots. @ 2/6 lb.; Detached Cryst. 1 lb. @ 2/8 lb.; Crude Black, 45 gall. casks @ 1/11 gal.; 5 gal. drums @ 2/10 gal.; 1 gall. tins @ 3/2 each.
 „ Citric, cryst., B.P., 85, 7 lbs. in bags @ 3/6 lb.; powder, 3d. lb. extra.
 „ Diethylbarbituric, 1 oz. @ 9/- oz.
 „ Gallic, pur., P.B., 7 lbs. @ 6/9 lb.; 1 lb. @ 7/- lb.
 „ Hydrobrom. 6 lbs. @ 1/6 lb.
 „ Hydrochlor. Coml., cases of 4 2-gall. jars, 40/- each; 20 case lots @ 39/- each.
 „ Hydrocyan. P.B., 6 lbs. @ 1/7 lb.; 1 lb. @ 2/- lb.; 36 1-oz. Vials @ 7/6 doz.
 „ Oxalic Cryst., 1 cwt. @ 1/11 1/2 lb.; 14 lbs. @ 2/1 lb.
 „ Phosph. Dil. B.P., 6 lbs. @ 6d. lb.
 „ Salicyl. pulv. 1 lb. @ 8/6 lb.
 „ Sulphur, Coml., cases, 4 2-gal. jars. @ each; 20 cases @ each.
 „ Sulph. Aromat. B.P., 5 lbs. @ 4/8 lb.
 „ Tannic. B.P., 1 lb. @ 8/- lb.
 „ Tart., cryst. or pulv. B.P., 1885, 7 lbs. @ 3/2 lb.; parv. 3d. lb. extra.
 Adeps Benz., B.P., 28 lbs. @ 1/7 lb.; 7 lbs. @ 1/8 lb.
 „ Ergo. & Ris Pulv., 14 lbs. @ 2/6 lb.
 Aloes Barb., English-ground, 28 lbs. @ 125/- cwt.; 7 lbs. @ 1/3 lb.
 Aloes, Socot. 7 lbs. @ 1/5 lb.; powder, 7 lbs. @ 1/7 lb.
 Aloin, B.P., 1 lb. @ 5/6 lb.
 Ammon. Benz., 1 lb. @ 25/- lb.
 Ammon. Brom. P.B., 7 lbs. @ 6/4 lb.
 Ammon. Carb. lump, 3 cwt. @ 7 1/2 lb.; 28 lbs. @ 8 1/2 lb.; 7 lbs. @ 9d. lb.; powder, 3d. lb. extra.
 Ammon. Chlor., 99% pulv., 1 cwt. @ 66/- cwt.; 7 lbs. @ 8d. lb.; Batteries, 6/- cwt. extra.
 Amyli Pulv., 10 cwt. @ cwt.; 2 1/2 cwt. @ cwt.; 1 cwt. @ cwt.
 Aniseed, English ground, 1 cwt. @ cwt.; 7 lbs. @ 1/10 lb.
 Antim. Nig. Pulv., 7 lbs. @ 11d. lb.
 Antim. Tart. Pulv., 7 lbs. @ 4/- lb.
 Apioi, 1 lb. @ 27/6 lb.
 *Aqua Anethi Conc. 1-40, 1 lb. @ 3/8 lb.
 „ „ Anisi Conc. 1-40, 1 lb. @ 3/8 lb.
 „ „ Aurant. Conc. 1-40, 1 lb. @ 6/11 lb.
 „ „ Aurant. Trip., 6 lbs. @ 1/- lb.; 53 lbs. for 45/-
 „ „ Cinnam. Conc. 1-40, 1 lb. @ 4/1 lb.
 „ „ Laurocerasi, 6 lbs. @ 10d. lb.
 „ „ Menth. Pip. Conc., 1-40, 1 lb. @ 3/9 lb.
 „ „ Rosæ Conc. 1/40, 1 lb. @ 7/9 lb.
 „ „ Rosæ Trip., 53 lbs. for 50/-; 6 lbs. @ 1/1 lb.
 „ „ Samb. Conc., 1-40, 1 lb. @ 6/11 lb.
 „ „ Samb. Trip., 6 lbs. @ 1/- lb.
 Araroba, fine powder, 7 lbs. @ 9/6 lb.; 1 lb. @ 10/- lb.
 Argent. Nit., 6's to oz., 25 oz. @ 3/1 oz.; 1 oz. @ 3/2 oz.
 Argent. Nit., Cryst., 25 oz. @ 3/- oz.; 8 oz. @ 3/1 oz.
 Arsenic Alb. Pulv., 2 cwt. @ 150/- cwt.; 7 lbs. @ 1/5 lb.
 Atropina Sulph., P.B., 1 oz. @ 135/- oz.
 Auri Chlor., 6 doz. 15 gr. tubes @ 27/3 doz.; 1 doz. 15 gr. tubes @ 27/6 doz.
 *Bals. Copaiba, pure, 44 lbs. @ 5/6 lb.; 9 lbs. @ 5/9 lb.; 1 lb. @ 5/11.
 „ „ Peruv., P.B., 1 lb. @ 21/6 lb.
 „ „ Sulphur, 7 lbs. @ 1/6 lb.
 „ „ Tolut. B.P., 50 lbs. @ 3/4 lb.; 1 lb. @ 3/10 lb.
 Bismuth, P.B., Carb., 3 lbs. @ 14/- lb.; 1 lb. @ 14/6 lb.; subnit., 3 lbs. @ 13/- lb.; 1 lb. @ 13/6 lb.
 „ „ Salicyl., 1 lb. @ 19/- lb.
 Boracic Mixture, 1 cwt. @ 95/- cwt.
 Borax, 1 cwt. @ 44/6; powder 1/- extra.
 Butyl-Chloral Hydras., P.B., 1 lb. @ 5/- lb.
 Caffeine, P.B., 1 lb. @ 54/- lb.
 Caffeina Cit., B.P., 1 lb. @ 37/- lb.
 Calamina, powder, fine pink, 5 cwt. @ 32/- cwt.; 1 cwt. @ 35/- cwt.; 7 lbs. @ 4 1/2 lb.
 Calamine, B.P., 1885, 7 lbs. @ 1/3 lb.
 Calcii Carb. Princip., 5 cwt. @ 24/6 cwt.; 1 cwt. @ 28/- cwt.; 28 lbs. @ 32/6 cwt.
 „ „ Hydras., P.B., 1 cwt. @ 32/- cwt.; 7 lbs. @ 5 1/2 lb.
 „ „ Hypophosph. Pur., P.B., 1 lb. @ 4/- lb.
 „ „ Iodid., 1 lb. @ 21/6 lb.
 Camphor, English Flowers, "not artificial," 5 lbs. @ 4/1 lb.; 1/2 oz. or 1/4 oz. 7 lbs. @ 4/9 lb.; good white, about 95% as imported, 140 lbs. @ 3/9 lb.; 28 lbs. @ 3/10 lb.
 Capsicine, soluble, 1 lb. @ 9/6 lb.
 Carbo Animalis or Ligni, powder or lump, 1 cwt. @ 30/- cwt.; 28 lbs. @ 3 1/2 lb.
 Cardamoms, 28 lbs. @ 2/6 lb.; 7 lbs. @ 3/- lb.
 Carmine, Finest, 1 lb. @ 36/- lb.; No. 2, 1 lb. @ 36/- lb.
 Cera Alba, B.P., White Moons, 28 lbs. @ 2/9 lb.; 4 lbs. @ 2/10 lb.; Flav. 1 lb. Blocks, 28 lbs. @ 2/5 lb.; 4 lbs. @ 2/6 lb.; 1 oz., 1/2 oz. tabs., 7 lbs. @ 2/7 lb.
 Cerii Oxalas, 1 lb. @ 6/6 lb.
 Cetaceum, No. 1, fine white, 64 lbs. @ 1/- lb.; 7 lbs. @ 1/2 lb.; powder, 7 lbs. @ 1/6 lb.
 Chloral Hydras Cryst., B.P., 7 lbs. @ 11/9 lb.; 1 lb. @ 12/6 lb.
 Chlorodyne, 5 lbs. @ 3/- lb.
 *Chloroform, pure, B.P., 12 8-lbs. @ 3/10 lb.; 8 lbs. @ 4/- lb.; 6 1-lb. bots. @ 4/4 lb.
 Cocaine Hydrochlor., 1 oz. @ 42/-
 Codeina, 1 oz. @ 27/6 oz.; Phosph., 1 oz. @ 25/- oz.; Hydrochlor. or Sulph., 1 oz. @ 25/- oz.
 Colocynth, Apple, English ground, 1 cwt. @ 1/8 lb.; 28 lbs. @ 1/9 lb.; 7 lbs. @ 1/10 lb.
 Composition Powder (Coffin's), 1 cwt. @ 80/- cwt.; 7 lbs. @ 11d. lb.
 Conf. Sennæ, P.B., 14 lbs. @ 1/5 lb.; 7 lbs. @ 1/6 lb.
 Cort. Aurant Exot. Shreds, 7 lbs. @ 2/4 lb.
 „ Cinchon. Rub. (Quil), 7 lbs. @ 1/7 lb.
 „ Ulmi Fulvæ, Pulv., 1 cwt. @ 1/- lb.; 7 lbs. @ 1/2 lb.
 Cream of Tartar, 98% powder, 1 cwt. @ cwt.; 7 lbs. @ 3/5 lb.
 Creasote Beechwood, P.B., 7 lbs. @ 17/- lb.
 Creta c. Camph., 7 lbs. @ 1/1 lb.
 „ „ Gall. Pulv., in sacks, 10 cwt. @ 15/6 cwt.; 1 cwt. @ 16/6 cwt.; 14 lbs. @ 2 1/2 lb.
 „ „ Præparata, 7 lbs. in box @ 1/3 each.
 Cubebæ, English Ground, 28 lbs. @ 4/10 lb.; 7 lbs. @ 5/- lb.
 *Dec. Aloes Co. Conc. 1-2, 6 lbs. @ 2/1 lb.; Sinecroco, 6 lbs. @ 1/4 lb.
 „ „ Cinchona (Rubra) Conc., 1-7, 6 lbs. @ 2/3 lb.
 „ „ Senegæ Conc., 6 lbs. @ 2/11 lb.
 Emp. Spread, 12 yards x 16 ins. adhesive, 6/- Bellad. B.P.C., Green @ 28/6; Cerat. Saponis @ 12/4; Picis Co. @ 12/4; Plumbi @ 10/-; Resinæ @ 7/6; Roborans @ 11/6; Saponis, B.P., @ 10/-
 Emp. Picis, P.B., 7 lbs. @ 1/7 lb.
 „ „ Plumbi, P.B., 7 lbs. @ 1/7 lb.
 „ „ Resinæ, P.B., 7 lbs. @ 1/7 lb.
 „ „ Roborans, 7 lbs. @ 1/7 lb.
 Emulsio Ol. Morrhuæ, 5 lbs. @ 1/10 lb.
 Esserine Sulph., in 15-grain tubes, 8/9 each.
 Ess. Bergam. (Oil), 12 lbs. @ 22/6 lb.; 1 lb. @ 23/6 lb.; not guaranteed absolutely pure.
 Ess. Limonis (oil) original coppers, 12 lbs. @ 4/3 lb.; 6 1-lb. bots. @ 4/9 lb.; not guaranteed absolutely pure.
 *Ess. Moschi (not artificial), 5 lbs. @ 14/6 lb.; 1 lb. @ 15/- lb.
 *Ess. Pear (artificial), Jargonelle, 5 lbs. @ 3/9 lb.; Bergamot, 4/3 lb.
 *Ess. Pineapple, 5 lbs. @ 4/- lb.
 „ „ Raspberry, 5 lbs. @ 2/8 lb.; 1 lb. @ 3/- lb.
 „ „ Vanilla Beans, 5 lbs. @ 5/- lb.; 1 lb. @ 5/3 lb.
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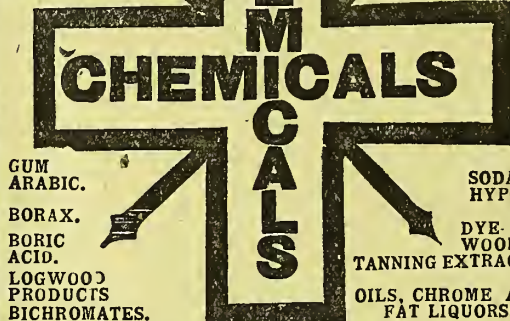
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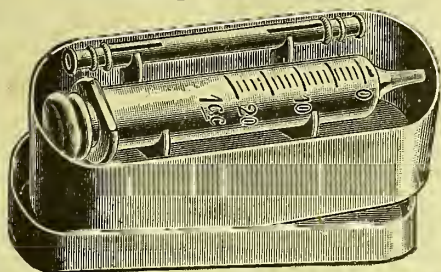
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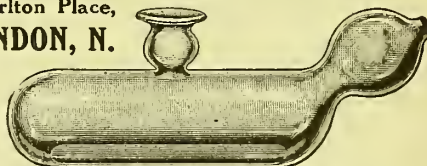
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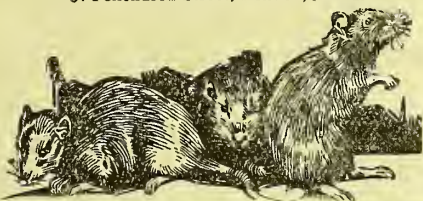
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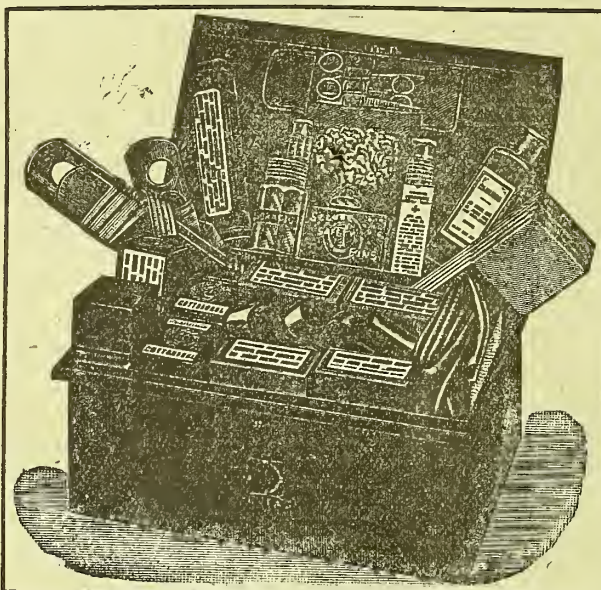
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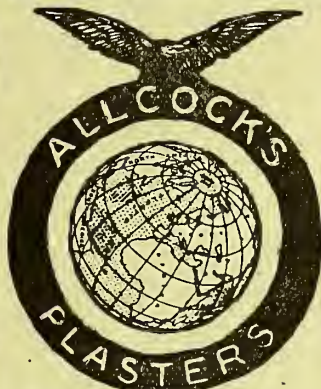
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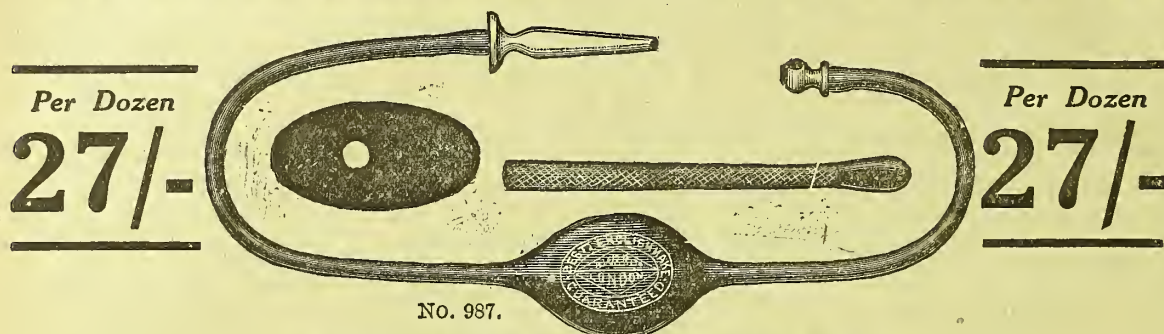
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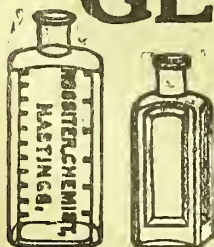
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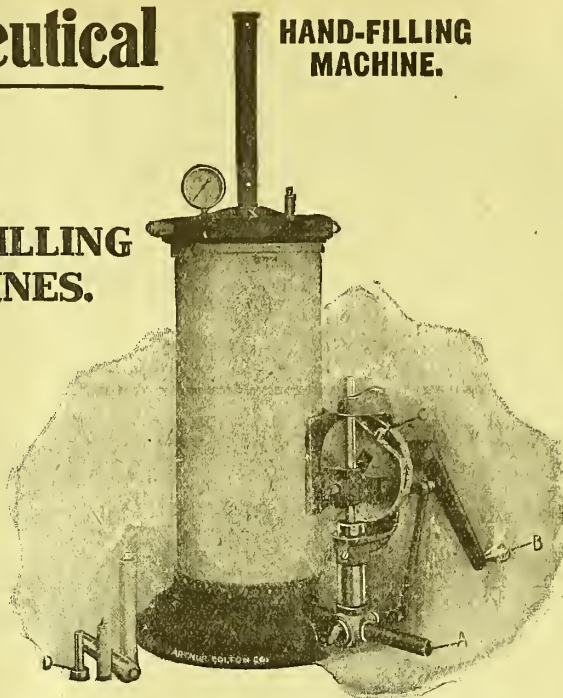
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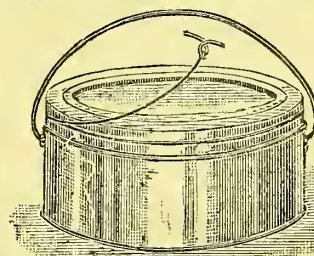
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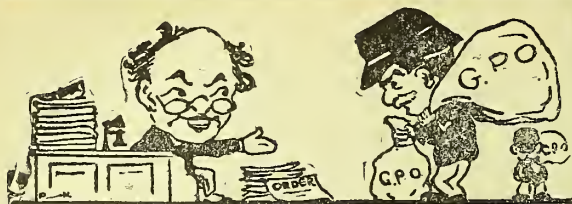
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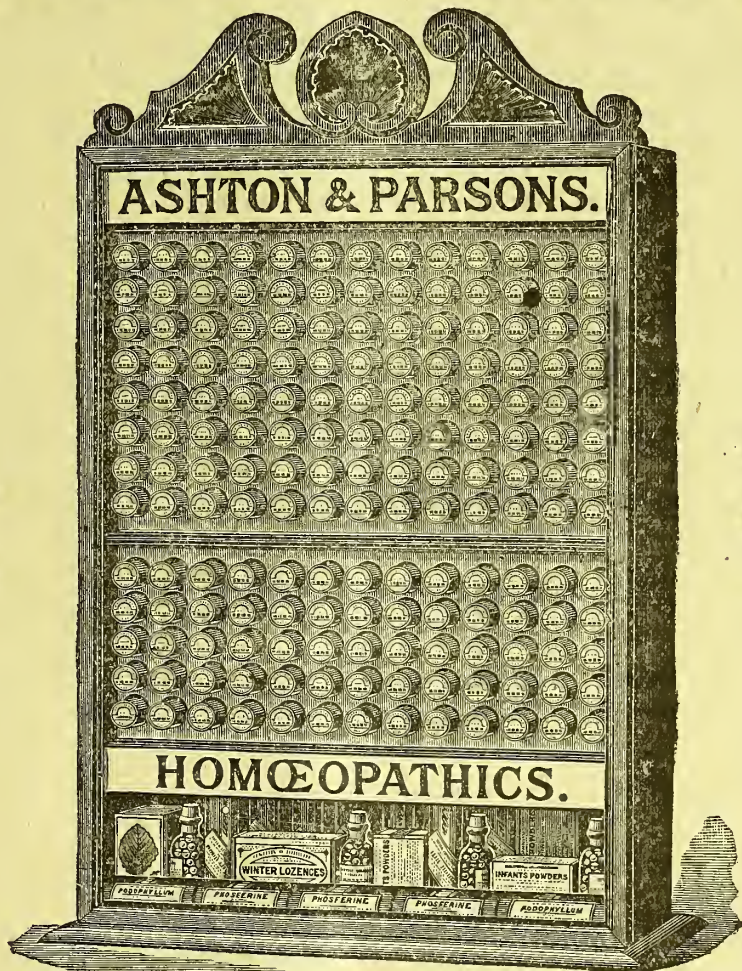
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In consequence of scarcity and high price of Herbs, Boxes, Wrappers, Labour, etc., our prices from December 1 will be
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Gross lots and upwards, 11/- per gross.
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THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, DECEMBER 1, 1917

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers), and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.**

Advertisements for the current issue cannot be received after first post on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done.

PROVIDED the MONEY is TELEGRAPHED at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C.4. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus, Cannon, London." (Three words counted as two.)

EARLIER CLOSING FOR PRESS.

WILL intending Advertisers please note that until further notice all Advertisements for THE CHEMIST AND DRUGGIST SUPPLEMENT must be in the Publisher's hands not later than

FIRST POST THURSDAY MORNING,

to be available for the issue published in that particular week. Owing to restricted postal deliveries it is advisable to *post* all communications on the Tuesday preceding the date of issue. Advertisements received after the time indicated will be inserted in the following week's issue.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—**NORTHERN SUBURB.**—Good-class Business; excellent situation; returns under Manager between £1,100 and £1,200; gross profit £446 and net £300; attractive, well-fitted shop, with comfortable residence; vendor's own property; new lease; very little opposition; price £450, or simply the valuation of stock and fixtures.

2.—**RICHMOND, SURREY** (near).—Retail and Dispensing Business, situate in busy main thoroughfare; returns between £1,800 and £1,900; net profit £461; books open to inspection; price £850; stock and fixtures recently valued at £650.

3.—**LONDON** (Kensington District).—Good-class Retail and Dispensing Business for disposal through death; returns £800, formerly £1,000; excellent opening for an energetic man with small capital; comfortable residence; new lease; full investigation is invited; price £400, or valuation of stock and fixtures.

4.—**LONDON** (Distant Suburb).—Ready-money Retail Business; established upwards of forty-five years; returns between £10 and £12 per week; net profit about £250; rent £25; price £200 or near offer.

5.—**LONDON, S.W.**—Good middle-class Family and Dispensing Business, situate in select residential district, and facing an open common; returns exceed £32 per week, with scope for further development; well-appointed shop and large residence, with private entrance; terms simply valuation of stock and fixtures; about £700, part payment.

6.—**HACKNEY.**—Ready-money Business; held by vendor upwards of 25 years, now retiring; returns average between £1,100 and £1,200 per annum; net profit one-third; vendor's own property; new lease; price £550.

7.—**KING'S CROSS** (within easy distance of).—Old-established Business in good position in populous district; the net income is £386, and under energetic management can be increased; good house; rent £50; price £600.

8.—**BRIGHTON.**—Retail and Dispensing Business, situate in shopping thoroughfare in chief business centre; returns between £1,400 and £1,500; gross profit last year, £570; well-appointed shop and comfortable residence; no reasonable offer refused; ill-health reason for disposal.

9.—**SUSSEX.**—Good-class Retail and Dispensing Business, situate in a beautiful district, and practically unopposed; gross receipts £850; net profit exceeds £250; modern-fitted Pharmacy, with capital residence and garden stocked with fruit and rose-trees; valuation terms entertained.

10.—**HANTS.**—First-class watering place; very handsome Shop; beautiful situation; returns over £2,500 yearly; all first-class Dispensing and Retail; convenient house; summer and winter visitors (season); vendor retiring, having held the business many years; terms, valuation of stock and fixtures, less a rebate.

11.—**HOME COUNTY** (Health Resort).—Modern Pharmacy, situate in the principal street; returns exceed £1,000; full investigation permitted; the shop is nicely fitted and fully stocked; convenient residence; terms, valuation of stock and fixtures and £100 premium.

12.—**IN THE HEART OF THE COUNTRY** (unopposed).—Ready-money Business; returns £50 per week under management, present rate less; rent £39; 17 years' lease; small house (7 rooms and scullery); private entrance; good garden; London within 80 miles; on main line S.W.; price about £650.

13.—**KENT** (Market Town).—Modern Ready-money Business, situate in pleasant district; returns about £1,000; the business admits of extension; terms, valuation of stock and fixtures.

14.—**BRADFORD** (near).—Family Retail Dispensing and Agricultural, with own proprietaries in good demand; returns £800; net profit, after all expenses paid, £200; rent £28; including good six-roomed house, garden, warehouse, and yard; terms, valuation of stock and fixtures.

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Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

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2.—LIVERPOOL.—Light Retail and Prescribing; no side lines; all ready money; returns under Manager £16 a week, increasing; corner double-fronted shop; good house; price £350.

3.—HERTS (Market Town).—Most desirable Light Country Retail; easily worked; returns about £900; good profits; excellent house, bathroom, etc.; very best position; well stocked; price for prompt sale, £400 cash; strongly recommended.

4.—BIRMINGHAM.—Very profitable Cash Retail; main road position; returns £900; net profit £320; books properly kept; smart well-fitted Pharmacy; heavily stocked; urgent family reasons necessitate a quick sale; price £450; much under valuation.

5.—WEST END.—High-class Dispensing business in prominent position; returns average over £2,000; net profit £620; excellent chance for two smart men; price for quick sale £950, or small goodwill and valuation.

6.—NORTH LONDON (Healthy Suburb).—Sound progressive Cash Business for immediate disposal through serious illness; returns £1,150; net profit fully £300; fine modern Pharmacy; excellent main road position; low rent; price £750 or offer.

7.—LONDON (Distant Suburb).—Good middle-class Cash Retail; chiefly Prescribing; returns £14 weekly, increasing; net profit about £300; very low rent; fully stocked; price £475 or valuation; £200 cash; balance by instalments; trial allowed.

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Trade Valuer & Transfer Agent.

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Tel. No.: Finchley 812.

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See Notice on Front Page of this Supplement

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CARLISLE.—For Sale as a going concern, in consequence of the death of the owner, Chemist and Sight-testing Optician's Business, along with the premises on which the same are carried on, comprising Shop, Dispensing and Sight-testing rooms, and dwelling-house attached; the business was established in the year 1846, and for the last 35 years has been successfully carried on by the late owner; a large portion of the purchase money of the premises will be allowed to remain on mortgage at 5%. Further particulars on application to J. S. Jackson, Solicitor, Carlisle.

LONDON, S.W.—Genuine Business for Sale in good residential locality; returns £1,900, increasing yearly; about £600 required. Apply 196/36, Office of this Paper.

LONDON, W.—For immediate disposal, under urgent circumstances, old-established Dispensing Family Retail Business; average net profit £650; splendid position; plenty of scope; low rent; valuable lease. For quick sale will accept £100 and valuation; applicants with £900 will find this a most desirable investment. Address "Urgent" (195/39), Office of this Paper.

SOUTH WALES.—Important market town Carmarthen, on account of serious health breakdown.—For disposal, very old-established well-known Chemist's Business, at present carried on for past 22 years by Mr. A. Arthur; fine corner premises, double-fronted, handsome fixtures and well stocked. Further particulars, apply 6 Nott Square, Carmarthen.

SOUTHAMPTON.—Good-class Dispensing, Prescribing, and Retail Business; returns £1,600; gross profits £700; books open for inspection, and any particulars obtainable; shop well fitted and stocked; occupation on completion of purchase; rent £70 per annum. Apply 195/11, Office of this Paper.

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FIRST-CLASS fitted Chemist's Shop to Let in important position in large Eastern Counties town; stock at low price. Apply 195/7, Office of this Paper.

SHOP to be Let; double-fronted; splendidly situated in shopping centre of main road, and fitted as a Chemist's; occupied by Chemist for nearly 50 years; good business just closed owing to illness; fixtures at valuation; rent £50 per annum, tenant paying rates and taxes. Apply Harry Hooper & Co., Surveyors and Valuers, Estate Offices, Millwall, 14.

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One Case containing about 150 tins each
100 Grammes CODEINE PHOSPHATE (Merck),
And about 100 tins each 100 Grammes
CODEINE POWDER (Merck).

Tenders in envelopes marked TENDER for CODEINE, and addressed to the ADMIRALTY MARSHAL, Royal Courts of Justice, W.C. 2, must be received not later than noon on Wednesday, 12th December, 1917.

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A SOUND Business wanted, doing about £1,500, with scope for increase; situated south of Midlands; no Optics, no Dentistry; short trial required; cash on approval. Apply "M.P.S." (195/2), Office of this Paper.

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FOR disposal, 15 gross of yellow Flint Boxes, slip on, all overlids, thumb-holed; size $3\frac{1}{2}" \times 2\frac{1}{2}" \times 2"$ deep; and 2 gross same style of box in size $3\frac{1}{2}" \times 2\frac{1}{2}" \times 1"$ deep; also 20,000 plain white Cartons, tucked in ends; size $4\frac{1}{2}" \times 3" \times 1\frac{1}{2}"$ depth; perfect condition. What offers? Apply 194/26, Office of this Paper.

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FOR Sale, Dispensing Counter, five glass cupboard in front and centre mirror; two or three dozen 4 lb. Ointment Jars, 3 x 6 gallon Carboys, and two Specie Jars; two pairs Brass Beam Scales with weights; some Mortars and Pestles, Pill Machine, and some nests of drawers. H. H. Cuthbert, 3 Station Parade, Shortlands, Kent.

GOOD Pharmacy Clock; personal Weighing Machine; two full sets Mahogany Drug Drawers, lockers under, shelves above; two Mahogany Counters; Perfume Cases; Dispensing Screens and Counters; Mahogany Cupboards; Shop Rounds, 250; Counter Cases; Tooth-brush Cases; about 250,000 Labels; Pharmacy Steps; deal nests of Stock Drawers. Particulars, price, etc., to 191/33, Office of this Paper.

5 CWT. Cera Flax., 9s. 7d. delivered; Tabs about $\frac{1}{2}$ oz., per $\frac{1}{2}$ gross, 4s. 2d. delivered; cash with order. Levis, Chemist, Skibbereen. Sample, 2d. stamps.

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35 GROSS $\frac{1}{2}$ oz. Phials, plain white; 40 gross sample Posting Boxes, corrugated lining, hold small bottle and literature; also quantity metal "mailing" Tubes with screw cap. What offers? Lot or separately. Swinglehurst, 55 Great Eastern Road, Stratford, E.

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EMPTY HONEY TINS AND CASES FOR SALE.

SEVERAL hundred Wood Cases with two 60 lb. screw cap tins in each, in good condition.

Tenders to CHIVERS & SONS, LTD., Histon, Cambridge.

COUNTY BOROUGH OF SALFORD.

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TENDERS are invited for the supply of the above-mentioned articles. Full particulars from the Medical Superintendent, Ladywell Sanatorium, Eccles New Road, Pendleton.

L. C. EVANS, Town Clerk.

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GENTLEMAN requires Partnership or Share in Wholesale Drug trade, Manufacturing or Allied trade, Wholesale or Retail Chemists. Apply 191/340, Office of this Paper.

AGENCIES.

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TRAVELLER, with strong personality and plodding energy, well in with buyers, holding one commission only, able to introduce 10 years' good paying connection, regularly calling on Chemists, Drapers, leading Stores, seeks one new line requiring expert for new account opening; state terms; preference given commission and half expenses. "C. I. L." (178/28), Office of this Paper.

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YOUNG lady or youth required for a good-class Retail and Dispensing business. Terms upon application to A. Thresh, Pharmacist, Buxton, Derbyshire.

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See Notice on Front Page of this Supplement.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

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RETAIL.

BRISTOL.—Qualified Manager (over military age or ineligible for Army) for branch business in middle-class district; capable Assistant employed; brisk Counter trade; N.H.I. Dispensing; satisfactory references required. State salary and full particulars of experience to Managing Director, Hodders, Ltd., 5 Nelson Street, Bristol.

BRISTOL.—Competent Assistant (over military age or ineligible for Army) for Dispensing and Retail Counter at branch; hours 8.30 to 8, Wednesdays to 1, Saturdays to 9, no Sunday duty; outdoors. Quote references and state salary required to Managing Director, Hodders, Ltd., 5 Nelson Street, Bristol.

LONDON CITY.—Elderly qualified Assistant; comfortable permanency; duties light; no Sunday duty. "A. S." (194/401); Office of this Paper.

LONDON, E.—Unqualified Assistant (ineligible) for brisk business; comfortable permanency for a capable man. State age, whether married, and when at liberty. "B. R." (194/400), Office of this Paper.

LONDON, S.W.—Outdoors Assistant; lady or gentleman; experienced in Counter and Dispensing; no N.H.I.; duties light. Salary and full particulars to "Alpha" (198/56), Office of this Paper.

LONDON, W.—Required immediately, an energetic, experienced Assistant for permanency (outdoors); must be first-class Counterman and quick at proprietary stock; ineligible or exempt; two kept; Extracting advantageous, but not essential. W. V. Wright, 25 Broadway, Hammersmith.

LONDON, W.—Required immediately, qualified lady or gentleman for quick Store and Dispensing business; must be well recommended; good salary. Please apply personally if possible, or give full particulars in first letter; all applications not answered within three days respectfully declined. Apply Head Office, 199 Portobello Road, Notting Hill, W.

LONDON, W.—Junior Assistant (either sex) wanted in Drug Department; must have thorough knowledge of all B.P. preparations; hours of business 9 to 5, Saturday 1 o'clock. Apply by letter, giving particulars of experience and stating salary required, to Hospitals and General Contract Co., Ltd., 19/35 Mortimer Street, W.

MANCHESTER DISTRICT.—Lady Assistant (qualified) wanted for Chemist's business. Address, with age, experience, references, and salary required, 194/340, Office of this Paper.

MANCHESTER DISTRICT.—Qualified Assistant wanted. Address, stating age, experience, references, and salary required, 194/34, Office of this Paper.

OXFORD.—Lady Pharmacist or gentleman (ineligible for Army) for management of small Branch; lady Assistant kept. Apply, with particulars, salary required, etc., to Burbank, Chemist, 116 Walton Street, Oxford.

NEAR BIRMINGHAM.—Unqualified Assistant, discharged from Army or above military age, required immediately; must be good Counterman and Dispenser; permanent and progressive post. Apply "C. S." (194/40), Office of this Paper.

LEICESTER ROYAL INFIRMARY.

PHARMACIST and Dispenser required, preferably with experience of Institution work and the purchase of Drugs and Dressings; salary £4 4s. per week, rising. Apply, with full particulars, age, etc., House Governor and Secretary, Leicester Royal Infirmary.

SHEFFIELD.—Lady Assistant (Dispensing department); hours 9 to 7, Thursdays 1, Saturday 8.30. State age, height, experience, qualification, and salary required (photo if possible), G. T. W. Newsholme, Ltd., 27 High Street, Sheffield.

SOUTH OF ENGLAND; Assistant required (male or female); free removal; permanency with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

SOUTH WALES.—Unqualified Assistant (ineligible) wanted immediately; active. Apply J. T. Davies (Chemists), Ltd., 8 Temple Street, Swansea.

A VACANCY occurs with the Society of Apothecaries for a Chemist (lady or gentleman) to undertake Pharmaceutical and General Analytical work. Full particulars to the Manager, Apothecaries Hall, Water Lane, E.C. 4.

ASSISTANT; Surgical Instrument business; Shop Counter. Address, stating age, wages expected, and duties accustomed to, "Surgical," Lee & Nightingale, Liverpool.

RESULTS

OF ADVERTISING IN THIS SUPPLEMENT
LAST WEEK, NOV. 24, 1917:

NATURE OF ADVT. REPLIES.

Qualified	...	12
Assistant	...	11
Manager	...	10
Wholesale Manager	6	
Qual. Dispenser	...	5



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

ASSISTANT (unqualified); lady or gentleman; Light Retail and Dispensing business; hours 9 to 7, Saturday 8, no Sunday duty. State salary required and full particulars to Thompson, Pharmaceutical Chemist, 31 The Grove, Ealing, W. 5.

ASSISTANT (unqualified) in good-class Retail and Dispensing business; easy hours, no Sunday or night duty; applicants should be men ineligible for the Army or ladies. Apply 197/18, Office of this Paper.

BEETHAM & CLARK require competent Assistant. Please send usual details to 22 Promenade Villas, Cheltenham.

BRANCH Manager required immediately, with view to acquiring part interest in business; South Coast town; qualified; Photographic. State terms (in- or out-doors), full particulars first letter, 197/9, Office of this Paper.

COMPETENT and reliable Assistant in high-class Family business near town; must be quick and accurate Dispenser, and able to take charge in absence of the principal. Applicants please state age, height, wages, whether married or single, etc., with photo if possible, to 196/6, Office of this Paper.

ELDERLY or partially disabled Chemist wanted; must be qualified; London; very easy berth; moderate salary. "Statim" (194/37), Office of this Paper.

EXPERIENCED Assistant, capable of taking entire charge; hours of business 8.30 to 7.30, except Thursday 1 o'clock and Saturday 9 o'clock, also close one hour mid-day, no Sunday nor after hours duty. State age, height, when disengaged, salary required (outdoors), photo if possible, J. Griffith Isaac, Pharmacist, Neath.

JUNIOR Assistant wanted for good Dispensing and Retail business. W. Piodard, 3 West Kensington Terrace (opposite West Kensington Station), W. 14.

LADY Dispenser wanted (Pharmaceutical licence) for the Lowestoft Friendly Societies' Medical Institute; short hours. For particulars apply to the Secretary, Edward Kemp, 94 Norwich Road, Lowestoft.

LADY Dispenser (M.P.S.) required middle of December; board-residence and laundry. Applications, stating age, salary, and qualifications, with copies of testimonials, to be sent (at once) to the Secretary, Victoria Hospital for Sick Children, Hull.

MESSRS. ALLEN & LLOYD, 21 Station Road, Aldershot, require at once, for their Fleet branch, capable Assistant for Dispensing and Counter work; ineligible or over military age. Apply, with full particulars and salary required, to above address.

QUALIFIED lady Assistant required; experienced; age 26 to 40; Durham county. Apply 195/31, Office of this Paper.

QUALIFIED Manager wanted, with a view to purchase a small but profitable business at Stockport; immediate possession can be given if required; lock-up shop. Particulars, "Delta," c/o James Woolley, Sons & Co., Ltd., Victoria Bridge, Manchester.

QUALIFIED Dispenser for West-End Stores; hours 8.30 to 6.15 p.m., Saturday 1.15 p.m. State usual particulars to Mr. Mansell, Drug Department, Junior Army and Navy Stores, 15 Regent Street, London, S.W.

QUALIFIED Dispenser (lady or gentleman) required by a North of England Medical Association; state salary required and when disengaged. Apply 194/39, Office of this Paper.

THE LORD DERBY WAR HOSPITAL, WARRINGTON.—Wanted, Temporary Dispenser (female); must be fully qualified; salary 35s. per week. Applications, stating age, experience, qualifications, and references, must be sent to the Administrator at once.

THOMPSON & CAPPER, LTD., Chemists, 51 Piccadilly, Manchester, require an unqualified Assistant for high-class business. Send usual particulars of age, experience, wage, etc., also enclose photograph.

WANTED, a competent qualified Assistant; over military age; outdoors; good salary. Apply L. Cameron, Pharmaceutical Chemist, Seaford, Sussex.

WANTED, an Assistant (immediate). Particulars to Shacklock, Chemist, Mansfield.

WANTED, a good Manager for shop; qualified; live out if desired; salary £3 10s. and commission; hours 9 to 8. Apply 194/36, Office of this Paper.

WANTED after Christmas, Assistant accustomed to good-class Retail and Dispensing; qualified preferred; outdoors. Burden & Co., Dispensing Chemists, 41 Store Street, Bedford Square, W.C.

WANTED, Dispenser (Hall qualification). Applications, stating age, experience, and salary required, to be sent to the Secretary, Workmen's Medical Aid Society, Ebbw Vale.

WANTED, a reliable Dispenser with good experience; usual particulars. Apply G. H. Cole, The Pharmacy, Blundellsands.

WANTED IN CHATHAM DISTRICT, an Assistant Chemist for General Analysis; candidates eligible for military service or employed on Government work will not be considered. Apply, stating age, experience, salary required, and enclosing copy of recent testimonials, to Box No. 910, c/o Street's, 8 Serle Street, W.C.

WANTED for Lincolnshire inland town, qualified or unqualified Senior Assistant (ineligible) for Chemist and Photographic business; salary £3 to £4, according to experience and qualification. Send full particulars, and say if any Optical experience, with references, to 196/15, Office of this Paper.

WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

A LADY to represent a firm of Wholesale Chemists, chiefly in Lancashire and Yorkshire, to call on Chemists with a well-advertised speciality. Apply, with full particulars, 196/8, Office of this Paper.

COUNTER hands for light Drugs and Chemicals; good wages to competent men. Apply Burgoyne, Burbidges & Co., Ltd., East Ham, E. 6.

EXPERIENCED man wanted for Packing and Despatching heavy and fine Chemicals; used to keeping Stocks preferred, but not essential; ineligible for military duties; Eastern district of London; good wages and permanency. Apply 144/62, Office of this Paper.

INVOICE Clerk (male or female) wanted by Wholesale firm; good writer and quick at figures; state experience and wages. Apply 196/2, Office of this Paper.

MANUFACTURING Chemical Foreman, with experience in crystallising and purifying, required by a large Midland firm; must be a careful, accurate, and resourceful worker; able to manage men; wages 60s. per week, with prospects. Send full particulars to Box B. 458, Smiths' Agency, Ltd., 100 Fleet Street, E.C. 4.

R. SUMNER & CO., LTD., Wholesale Druggists, Liverpool, require a Senior Clerk, who has had good experience in a Drug House; one conversant with cost prices and able to check extensions, and capable of supervising the technical work of the office; applicants must be ineligible or over military age, and should fully state with what firms they have obtained their experience and what salary they desire.

REQUIRED, part-time Travellers to work Chemists in South Coast and Wales in Surgical Sundries. Reply to 178/58, Office of this Paper.

WANTED, Invoice and Shipping Clerk for Wholesale Drug house; must be able to type invoices. Full particulars and salary required to D. D., Advertising Department, American Commerce Co., Ltd., 19 St. Bride Street, E.C. 4.

YOUNG lady, thoroughly competent, required to manage invoice department of Wholesale house; experience in similar capacity essential. State age, salary, etc., address in confidence, 199/12, Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; **6d.** for every 10 words or less, beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

NICE.—Qualified Assistant Required for on-coming season, December to January; must be a good Dispenser and have good references; knowledge of French an advantage, but not strictly necessary. Apply, with full particulars and photo, to Pharmacie Anglaise, 12 Avenue Masséna, Nice.

SITUATIONS WANTED.

See Notice on Front Page of this Supplement.

1s. for 12 words or less; **6d.** for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

[HOME.] RETAIL.

AFTERNOON post as Dispenser wanted; lady, Hall qualification; five years' good experience; bookkeeping if required. Dispenser, 7 Carleton Road, N. 7.

APOTHECARIES' Hall Dispenser.—Young lady, 19, speaking French, seeks post; Hospital or Institution preferred. Dispenser, 11 Cambridge Road, Hastings.

A S Manager; qualified; 27; B3; substantial experience Dispensing, Optics, Photography, Prescribing; Harrogate; West-End experience; initiative, energy; terms moderate; no Stores; teetotal. Apply 197/21, Office of this Paper.

A S Manager or other responsible position; qualified; 20 years' experience; state salary. Apply 197/6, Office of this Paper.

A S Branch Manager or other capacity; over military age; qualified; married, active, and experienced; permanency; disengaged; outdoors. Apply 196/32, Office of this Paper.

A S Locum; permanency; excellent experience; good references "Chemist," Sunnyside, Seaside, Combe Martin, N. Devon.

ASSISTANT, unqualified, ineligible, 31, experienced, requires permanency; Liverpool district preferred. Apply 195/3, Office of this Paper.

ASSISTANT, unqualified, over military age, desires berth. Keam, 9 Oxford Street, Mountain Ash.

ASSISTANT; unqualified; ineligible; age 22; time for study; Birmingham or district preferred. T. J., 11 Walliscote Grove Road, Weston-super-Mare.

ASSISTANT or Branch; no "after" or Sunday duty; City, West-End, and Hospital experience; discharged R.A.M.C. "No. 9," 25 Gilmore Road, Lewisham, S.E.

ASSISTANT; unqualified; 41; C3; West-End experience; seven years' present situation; excellent references. Hours and salary to 197/15, Office of this Paper.

ASSISTANT or Manager; qualified; married; over military age; good all-round knowledge; City and West-End experience. "Oleum" (197/130), Office of this Paper.

CHEMIST (Minor), disengaged owing to exceptional circumstances, offers services as Manager of N.H.I. and General Retail business; London or provinces; systematic Stockkeeper; able to "pull" trade; best references. Apply "Judex" (197/12), Office of this Paper.

DISCHARGED from Army.—Qualified, 35, married, seeks post as Manager; good all-round experience in first-class business; capable buyer; used absolute control; disengaged January. "Ajax" (195/12), Office of this Paper.

DISPENSER; 39; widower, discharged soldier; Hospital, Doctor's experience; abstainer; good references; unqualified; reliable. Apply 194/32, Office of this Paper.

DISPENSER, lady, qualified, 2 years' experience, desires post; all or part time; good references. A. H., 24 Nevern Place, Earl's Court, S.W. 5.

DISPENSER (lady), experienced, desires morning post. Apply 186/1, Office of this Paper.

DISPENSER (lady); Hall certificated; Surgery experience; good reference. "E. L." (197/1), Office of this Paper.

DISPENSER, Locum or permanent, disengaged; experienced; ineligible. C. S., 19 Rockmount Road, S.E. 19.

DOCTOR'S son requires position as Dispenser; not qualified. Apply 191/34, Office of this Paper.

ELDERLY Locum; experienced Counterman, etc.; references; abstainer; disengaged. "Unregistered," 19 Chapel Street, Uxbridge.

ELDERLY, qualified, good all-round experience, disengaged, desires light work. C. M., 2 Gransemoor Avenue, Higher Openshaw, Manchester.

EVENING Dispensing wanted immediately; in or near London; qualified; disengaged after 6 p.m. Apply 195/40, Office of this Paper.

EXPERIENCED Manager, qualified, knowledge of Photography and Optics, desires post in busy shop. Reply to "Manager" (194/15), Office of this Paper.

HOSPITAL Dispenser; Locum; qualified. Irving, 66 Rowfant Road, Balham, S.W. 17.

INVALIDED Sergeant Dispenser, R.A.M.C., 2½ years' war service, registered Graduate in Pharmacy overseas, desires temporary or permanent position; long record with references available. Apply "Zangiter" (186/22), Office of this Paper.

JUNIOR, 21, ineligible, seeks berth; N.H.I.; free after Christmas. Apply 194/23, Office of this Paper.

LADY Dispenser (experienced) desires engagement; part or whole time. Apply G. Davis, 29 Dornton Road, Balham.

LADY Dispenser (part Hall) requires post. "M.", 52 Leadenhall Street, London, E.C. 3.

LADY Dispenser (Hall) desires post; Richmond or S.W. district; twelve months' experience first-class Chemist. W., 13 Heathfield North, Twickenham, Middlesex.

LADY Dispenser (Hall certificate) desires post in Hospital or with Doctor in or near London; six years' experience. M., 16 Church Road, Shortlands, Kent.

LADY Dispenser, Hall qualification, some experience, seeks engagement. Apply 195/6, Office of this Paper.

LADY, studying Dispensing, desires post with Chemist or Doctor; Assistant seven years. Apply 194/28, Office of this Paper.

LADY Dispenser (Hall) desires post; Hospital or Doctor. Buttrick, Fernlea, Ridgeway, Enfield.

LADY Dispenser (Hall) wants Dispensing few evenings weekly; two mornings free. Apply 183/26, Office of this Paper.

LADY Dispenser (Hall) desires post, mornings or part-time, in Nottingham; one year's experience with Doctor. Apply 191/31, Office of this Paper.

LADY Dispenser (Hall), experienced, requires post in London; Doctor, Chemist, or Institution; whole or part-time. P., 6 Park Hill, Ealing W. 5.

LADY Dispenser (Hall) desires post with Doctor or Institution; four years' Dispensing and Surgery experience; excellent references; London or near preferred. Apply Miss Julius, Shanklin, I. of W.

LADY Dispenser desires part-time with Chemist; mornings only; Clapham or Wandsworth district. Apply 197/17, Office of this Paper.

LANCASHIRE.—Lady Dispenser (Hall), experienced, requires situation; Doctor or Chemist; Surgical Dresser; would learn to drive car; references. Apply 199/16, Office of this Paper.

LOCUM or permanent; lady Dispenser (Hall); experienced; good references; Institution or Doctor; London or suburbs; S.W. preferred. Apply 195/10, Office of this Paper.

LOCUM, or Assistant during war; elderly, reliable. "Locum," 3 Milton Market, Portsmouth.

LOCUM; qualified; age 53; good references; terms moderate. 196/39, Office of this Paper.

MANAGER; locum; 48; Major; 5 ft. 8 in.; disengaged; experienced; references; outdoors. T., 59 Westmoreland Road, Cornwall Road, Paddington, W.

MANAGER or Assistant; qualified; ineligible; varied experience. H., 19 Osberton Road, Summertown, Oxford.

MANAGER or Assistant; qualified; over military age; permanency; experienced; married; preferably live over; South England. "Energy" (197/13), Office of this Paper.

MANCHESTER.—Lady Dispenser (Hall qualification), some experience, seeks engagement. Apply 195/600, Office of this Paper.

NOTTINGHAM.—Minor; M.P.S.; abstainer, elderly; part-time or as arranged. Apply 186/26, Office of this Paper.

NEW YEAR.—Capable Pharmacist, experienced in Buying and Stockkeeping, desires Managership or Locum Tenency; Prescriber, Dispenser, Window-dresser; married; 32; ineligible; good references; south. Particulars and salary, 194/35, Office of this Paper.

PART-TIME; qualified; 44. Pharmacist, 9 Claverton Street, S.W.

PERMANENCY or Locum; disengaged; unqualified; ineligible. "L. T.", 1 Eton Road, Newport, Mon.

PHARMACIST, Manager or Locum, disengaged; ten years' experience. Apply 196/25, Office of this Paper.

QUALIFIED; ineligible; 38; Branch Manager; outdoors; or Dispenser in Stores. Pharmacist, 34 Headland Park, Plymouth.

QUALIFIED; 42; tall; abstainer; management or locum; London only; thoroughly experienced. Apply 192/24, Office of this Paper.

QUALIFIED Manager; 46; energetic; experienced; permanent or locum; disengaged December 1. Pharmacist, 4 Adolphus Road, Finsbury Park, N.

QUALIFIED, elderly, active, married, just sold business, as Manager or Senior; South Wales or South-West England. Davies, 101 Caversham Road, Reading.

QUALIFIED elderly Locum wishes to fill up Tuesdays and Wednesdays. Stewart, 1 Stanley Mansions, Tetherdown Road, Muswell Hill, N.

QUALIFIED; elderly, single; exceptional experience; easy hours (London). Apply 197/8, Office of this Paper.

QUALIFIED; 30; five years' London experience; locum or permanency; London district. Apply 196/7, Office of this Paper.

QUALIFIED; over military age; single; reliable; London preferred. "West" (195/38), Office of this Paper.

QUALIFIED; young; exempt; disengaged; references; permanency near Birmingham. Smith, Stone Street, Oldbury.

QUALIFIED (33); good experience; Yorkshire or Durham. Mountain (late M.G.C.), 92 High Street, Stockton.

TEMPORARY or Permanent Manager; elderly; Liverpool district. M.P.S., 11 Derwent Drive, Wallasey.

YOUNG man, 29, single, C3, 10 years' experience as Drug Store Manager and Doctor's Dispenser, requires berth early in January; part or whole time in City with School. Apply 183/25, Office of this Paper.

YOUTH, well educated, requires post in Shop or Office with little standing; four years' experienced Dispensing and Retail. Willows, Firbeck Manor, Rotherham.

YOUNG lady requires position in good-class Pharmacy as Counter Assistant; good Saleswoman, and also experienced in Photographic Printing. Particulars as to salary, etc., to 196/29, Office of this Paper.

£2 10s.; outdoors; Assistant; unqualified; 49; pushing Salesman, Window-dresser, etc.; all-round experience; married; at liberty. Address "Salesman," 1 Lowwood Grove, Tranmere, Birkenhead.

WHOLESALE.

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GENTLEMAN over military age requires position as Travelling Representative; first-class experience London and provinces; disengaged; highest references. Apply 196/1, Office of this Paper.

HEAVY Chemicals, London.—Advertiser desires to represent or become London Agent for a first-class Chemical Manufacturing firm; connection amongst Merchants and Brokers; own office; sound business record. Write "B." (195/37), Office of this Paper.

LABORATORY.—Manager or Foreman; Galenicals, Proprietary, and general work of Steam Laboratory. Apply 196/31, Office of this Paper.

LABORATORY Foreman or Manager (up-to-date Toilet specialties) disengaged; over military age; highest references; London. Apply 195/29, Office of this Paper.

REPRESENTATIVE.—Advertiser is open for engagement to act for first-class house; many years' experience Drugs, Sundries, and Instruments; sound connections; considerable Medical knowledge; first-class references. Apply 197/16, Office of this Paper.

REPRESENTATIVE, experienced, reliable, 15 years' connection, is open to represent good house, or would entertain good Agency. Apply "Lancashire" (197/2), Office of this Paper.

WANTED, situation in a Wholesale Drug Warehouse; well up in the general routine of the trade; capable of taking entire charge of Patente, Dispatch, Druggist's Sundries, good Stockkeeper; town or country; excellent references; ineligible. Apply 196/16, Office of this Paper.

MISCELLANEOUS.

MCADAM & TUCKNISS, Stock and Share Brokers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone: 81 Lee Green.

Shares for Sale (free of commission, subject).—40 Brunner Mond Ord., 96s. 6d.; 200 Bryant & May Ord., 42s.; 300 H. Cory Ord., 12s. 7½d.; 200 Lever 6½% Preference, 21s.; 100 Lewis & Burrows 6% Preference, 13s. 10½d., with full year's dividend; 250 Magadi Soda Deferred, 5s. 4½d.; 300 W. Whitely Ord., 16s. 9d.

Wanted (subject).—Camwal Preference and Debentures; Idris Debentures; 250 Watford Preference, 12s. 3d.

Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

ONE Dental Chair; good condition. Also Tins, one penny ointment, new, plain, 1,000 gross; sample on application. Chester Jewell, 49 Kinsale Road, Peckham Rye, London, S.E. 15.

WANTED, quantities of Square or Round Tin Boxes, new or second-hand, for packing powdered colours; good prices given; cash payment. Williams Bros. & Co., Hounslow.

SECOND-HAND SHOP FITTINGS.—Just out of use, complete set, comprising 11 feet drug fitting with mahogany drawers, bottle shelving and lockers, several other nests of drug drawers and shelving, 16 ft. mahogany top serving counter filled with drawers at back, 5 ft. dispensing screen and counter, large perfumery showcase and desk, mirror back and glass shelves, fine bent plate-glass counter showcase, 5 ft. mahogany wall case with drawers under, four good carboys, etc., all for 60 guineas; suit beginner or branch. PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C. 1.

SECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

100,000 SACCHARIN TABLETS

(½ gr. 330 in 1), 17s. per 1000; 5000, 16s. 10d. per 1000; 10,000, 16s. 9d. per 1000. £5 15s. per lb.
Cash with order. Carriage paid.

R. HOULT, Wholesale Druggist, 80 Box, 73 Eiford Grove, LEEDS

PAPER

White Demy, Yellow Wove, Brown, White and Coloured Tissues, Small Hand (Whitey-Brown), Seidlitz Blue, English Krafts and Browns, String, 8 oz. balls, 10½ per dozen, Stook Parcel String, 16 oz. balls, 15½ per dozen. Samples on application, only if weight of ream is given or sample sent to match.

D. W. BULL,
4 Churchill Road, Hemerton, E. 9.

THERE IS MONEY

to be made in the Photographic Department of your business, but the Developing, &c., must be **WELL** and **QUICKLY** done. We are experts, and return all work promptly. We pay return postage on all orders of 2/- or over. Send for our list and give us a trial.

STEAD & CO., Photographic Experts, Duke St., ERICHTON.

TEA SWEETENERS

"ASPANCO" BRAND.

Perfect Substitute for Sugar. Per 1000, 14/-, post free, cash with order. Also in 6d. and 1/- boxes, and bottles of 100, 250 and 500. SEND FOR LIST.

A. S. PRICE & CO., Ltd. Blackheath, BIRMINGHAM

XMAS WINDOW TICKETS & WINDOW POSTERS.



produced in Artistic & Refined Colorings for advertising Christmas Presents.

LIST SHOWING 100 DESIGNS FREE.

BUDDLEY & COY. HOLLOWAY RD. LONDON, N.

LEAGUE FOR THE PROTECTION OF INTERESTS OF RETAIL SELLERS OF PROPRIETARY ARTICLES.

All sharing the views of those correspondents to the CHEMIST & DRUGGIST who consider the retailer is not securing an adequate return on Proprietary articles, are invited to communicate with the advertiser, who has devoted much study to this difficulty.

If this and other advertisements attract a sufficient volume of interest, advertiser will in due course be prepared to put forward practical proposals, calculated to remedy their grievance and result in substantial pecuniary benefit to retailers adopting such proposals.

Address, in first instance,

"Co-OPERATE," DORLAND AGENCY, LTD., 16 Regent Street, S.W. 1.

WAR WANTS EXCHANGE.

For the interchange of scarce pharmaceutical products. Minimum charge (prepaid) which includes registration fee: 1/- for six words or less; 2d. per word beyond.

FOR DISPOSAL.

Sons-ide buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall place them in touch with sellers:—

Airol (Roche), 1 oz. (196/28) Novatophan (Schering) 1-Atophan (Schering), 1-tube tube tablets, 20×7½ gr. tablets, 20×7½ gr. (196/28) (196/28)
Mesotan (Bayer), 1 oz. Piperazine (Schering), 1 oz. (196/28) (196/28)

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.

No advertisement inserted for less than 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

FOR DISPOSAL.

DRUGS AND CHEMICALS.

8 OZ. Sodii Benzoat (natural). What offers? Whelan, Chemist, Rathkeale.

6 OZ. Gnaicol Liq.; 7s. per oz. Sharman, Northwood.

ABOUT 10 lb. Balsam Copaiba. What offers? Eottomley, 25 South Street, Keighley.

FOR Sale, half-list prices, carr. ford.; 3 doz. Asbestos Socks, 4 Maltine and Creasote 5 Zana Baths, 6 Nyal's Pile Ointment, 2 Parsiduna, 2 × 2s. 9d.; Campbell's Gipsy Oint., 2 lb. Neutral Pot. Oxalas, 1s. 6d. lb.; 23 Stereo Blocks for Chemist's ads., unused, 6d. each. Wilson, Chemist, Hawick.

IMPORTANT.

TO PHOTOGRAPHIC DEALERS.

Why not sell your stock of Cameras and Accessories before they become stale?

Hundreds of Chemists find themselves with Photographic Goods they are unable to sell owing to present war conditions, lack of film supplies, and staff to work these sidelines. Next year they will be totally unsaleable. We buy them, and give a good price. Ask your neighbours (we are well known), and they will tell you we do our business fairly, promptly, and pay up sharp. We never quibble.

We pay TWO-THIRDS RETAIL PRICE for the following:

Vest Pocket Kodaks with R.R. lenses (55/- model); Watch Pocket Carbinas $2\frac{1}{4}$ -square, and spools for each; Kodak Developing Tanks (Brownie and $3\frac{1}{2}$ "); No. 2 Folding Brownies; No. 0 and No. 1 Brownies, and No. 2 Brownie spools.

This gives you a small profit. Why keep them on your shelves?

We will buy anything else Photographic you have, from a 40-guinea Reflex to a 1/- Dark-Room lamp, and give equally good prices, according to demand and current market value. Do not trouble to send specifications. Pack us up a box. On receipt we write you our offer immediately. If we fail to come to terms we send back at once, carriage paid.

We are principal Agents for all the leading Photographic Manufacturers. Ask any of them what they think of our business methods. We receive these testimonials daily:

Bedford.—"I have never yet met such prompt attention at the hands of any business house."

Mr. A. W. I., of Evesham.—"I am in receipt of your letter of the 26th inst., enclosing cheque for £10, for which I thank you. The transaction has been most satisfactory. Thanking you for your courteous attention."

Mr. W. T., of Lincoln.—"I beg to acknowledge receipt of your cheque for £5 10s., with thanks. If at any time I

should have any part of photographic apparatus to dispose of, I shall be glad to further deal with you."

And the following:

H. G., of London.—"I have much pleasure in accepting your cheque for £7 10s., and shall be glad at any future date to have further dealings with you, and to recommend you to any of my friends."

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OPTICAL AND PHOTOGRAPHIC.

SOME Optical Lenses; eye 1 and 0, plus and minus. Evans, 5 High Street, Broadstairs.

PLATE Camera, 2 lenses, tripod carrier, dishes, etc., £2; Studio Camera with Burr lens, £2. R., 23 Stamford Brook Road, W. 6.

MISCELLANEOUS.

OFFERED, new, Male Urinal, day or night, Sanger's 310, Boyal Trusses; cash or exchange; Pot. Iodid; Sod. Sal., Caff. Cit. Apply 191/40, Office of this Paper.

FOR Sale, Vulcanizer, 3 flask; Pill Machine, 12 x 5 gr.; Vaginal Speculum, expanding by serew. Apply 196/22, Office of this Paper.

HANDSOME Dispensing Screen, about 7 ft. long, beautifully written, and fitted for bottles at back; price £5; also Pill Machine, etc., 10s. Apply 169 Wood Street, Walthamstow.

WANTED.

ATROPIN Sulph., Ol. Neroli. Apply 186/2, Office of this Paper.

DRIED Figs and Dates required. Timothy White Co., Ltd., Portsmouth.

WANTED, Gillette Razors and Blades. Watson's, 84 High Street, Sheffield.

HAND Truck, with iron leg rests; about 9" wheels. The S.P. Charges Co., St. Helens, Lanes.

WANTED, Acetate of Soda Crystalline. Quantity and cash price. Chambers, Arnold, Nottingham.

ALKANET Root wanted; any quantity. Quote price, Walpole, 22 Dorset Street, London, W. 1.

WANTED immediately, Power Tablet Machine. Write, giving full particulars, to 197/61, Office of this Paper.

WANTED, second-hand large Mortar and Pestle, to hold 20 lb. earthenware. Apply 196/36, Office of this Paper.

WANTED, Films, V.P.K. size; recent date: 18. each offered. Apply "Photo" (183/37), Office of this Paper.

ROTARY Pill Machine wanted; 3 grain; must be in good condition; state price. Apply 197/11, Office of this Paper.

GENUINE Rice Starch; lump or powdered, in large or small quantities; state price. Apply 183/32, Office of this Paper.

WANTED, Plumbi Acetate; pure or commercial. State price to James, 120 Glencastle Road, Streatham, London, S.W.

GLYCERINE; large or small quantities required. State quantity to offer, and price asked, to 196/55, Office of this Paper.

ROBERTS' Bottling Machine wanted; must be in good condition (F.O.R.). State lowest price to 194/30, Office of this Paper.

SHAVING Stick Tubes; state size and quantity; must be without inscription. Apply 180/17, Office of this Paper.

WANTED, $\frac{1}{2}$ Plate Paste on Mounts Plates, Postcards, Cameras, and Photographic Sundries. 5 Darlington Street, Wigan.

WANTED, Sifting and Mixing Machine for S.R. Flour, etc.; about 100 lb. capacity. Write Surrey Food Works, 111/113 Church Street, Croydon.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

WANTED, Edge Runner Mill; no contact of materials with metals; preferably small size. Send full description and price to 196/3, Office of this Paper.

COUNTER Case wanted; approximate measurements 5 feet long, 20 inches wide, 10 inches deep, perpendicular front. Apply Stewart, Chemist, Limerick.

DRYING-CUPBOARD wanted for Invalid's Food; low temperature; about 6 ft. high, 8 ft. long, 2 ft. 6 in. deep; three compartments or smaller. S. Williams & Co., 78 Fetter Lane, E.C. 4.

FIRST-CLASS Balance of good make; preferably with short beam and weights; in perfect order; good price given. Full particulars to A. J. Carrol, 35 First Avenue, Selly Park, Birmingham.

WRAPPING Machine wanted immediately; either new or second-hand; suitable for wrapping packets from 1" cube upwards; makers are invited to send lists. Box 22a, Osborne-Peacock Co., Ltd., Cannon Street, Manchester.

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